


✓ DEC 22 1948
DETROIT

The Inland Printer


DECEMBER
1948

ANNUAL DIRECTORY ISSUE

Your **LINOTYPE** *deserves the best renewal parts*

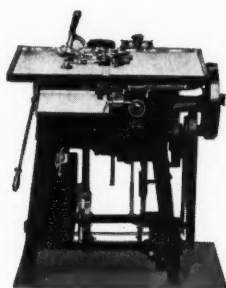
Prompt shipments are now being made on thousands of items. When you replace parts or overhaul your machines with genuine  parts you can be sure that the renewals and repairs will be made with the least possible effort and expenditure of time. Genuine Linotype parts are made to the same factory specifications and with the same care and dependability that goes into the production of new machines.

The use of genuine Linotype parts keeps your maintenance costs at a minimum and helps keep your machines in first-class operating condition.

Be safe! Use no substitute for genuine  parts and supplies. Let your Linotype representative suggest a list of parts that you should keep on hand for emergencies.

MERGENTHALER LINOTYPE COMPANY, 29 Ryerson St., Brooklyn 5, N. Y.

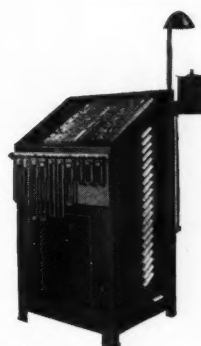
Set in Linotype Garamond Bold No. 3



THE LUDLOW



Ludlow Standard Matrix Cabinet
(left-hand pull)



Ludlow Universal Matrix Cabinet
(right-hand pull)

The **LUDLOW** *All-Slug System of Composition*

The Ludlow (illustrated at left above) produces slugline composition from 4 point to 96 point, also ruleforms. Advertising figures and alphabets up to 240 point are cast as individual characters lengthwise of the slug.

The Ludlow Standard Matrix Cabinet (shown in center above) meets most composing room requirements. Holds 20 cases; available in left or right hand pull.

The Ludlow Universal Matrix Cabinet (shown at right above) accommodates all sizes of matrices, particularly large sizes, in normal case arrangement. Supplied either left or right hand pull.

The Ludlow Supersurfacers (shown at left below) facilitates high-quality printing on any paper stock, reducing press makeready. It trims a micrometric skin-cut from the face of the type slug as it is fed through.

The Ludlow Shell-Hi Slug Shear (shown in center below) shears the Ludlow slug shank from the slug-head, converting it to a one-line plate for use with shell-cast stereotypes, and for corrections or additions.

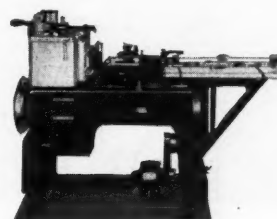
The Elrod (shown at right below) produces leads, slugs, rule and base material ranging in thickness from 1 point to 36 points. Elrod material is of uniform high quality.



Ludlow Supersurfacers



Ludlow Shell-Hi Slug Shear



THE ELROD

LUDLOW TYPOGRAPH COMPANY 2032 Clybourn Avenue, Chicago 14, Illinois

Published monthly by Maclean-Hunter Publishing Corporation, 309 West Jackson Boulevard, Chicago 6, Illinois. Subscription, \$4.00 a year in advance; single copies, 40 cents. (Send Canadian funds—\$4.00 a year; single copies, 45 cents—to The Inland Printer, Terminal A. P. O. Box 100, Toronto.) Foreign \$10.00 a year; three years, \$20.00. Entered as second-class matter, June 26, 1885, at the Post Office at Chicago, Illinois, under Act of March 3, 1879. Copyrighted, 1948, Maclean-Hunter Publishing Corporation.

★

Tried and True



Now Made For You By

BYRON WESTON COMPANY

BYRON WESTON COMPANY has purchased the mill brand business and watermarks of the CAREW MANUFACTURING COMPANY, South Hadley Falls, Massachusetts, consisting of the watermarks and brands listed at the right. These popular and widely used papers will be available to you as usual through your regular distributor of these lines. Continue to use and recommend them to your customers with the added assurance that these fine papers are now *made by* WESTON ...leading maker of famous fine papers.

OLD HAMPSHIRE BOND

TITAN BOND
ANGLO-SAXON BOND
LENOX BOND
MERIT BOND
DARTFORD BOND
RESEARCH BOND
VULCAN LINEN LEDGER
DEPENDENCE LEDGER
LENOX LEDGER
COURT LINEN LEDGER
APPRAISAL LEDGER
MERIT INDEX
LENOX INDEX
VULCAN INDEX
VULCAN DIPLOMA
SUPERIOR MSS. COVER

★

BYRON WESTON COMPANY

Makers of Papers for Business Records

DALTON, MASSACHUSETTS

His new ATF LITTLE GIANT

"has proved satisfactory in EVERY way"

E. S. EVANS, publisher of the Centralia (Wash.) Tribune, goes on to say, "We have run almost every kind of stock through it." Other printers like the ATF Little Giant because it "has fine ink distribution"; has "large feeder and delivery capacity"; it is "easy to change from one job to the next"; for its "quick makeready, fast lock-up, and quick register." Each owner of an ATF Little Giant finds many reasons for admiring this versatile press, but they *all* like its low cost per thousand impressions and its speeds of up to 4000 an hour. Ask your ATF Salesman for complete information.

Sheet sizes from
3¼x5½ to 12x18
Largest printing
form—11¼x17½



American Type Founders

200 Elmora Avenue, Elizabeth B, New Jersey
Branches in Principal Cities



Please Mention THE INLAND PRINTER When Writing To Advertisers

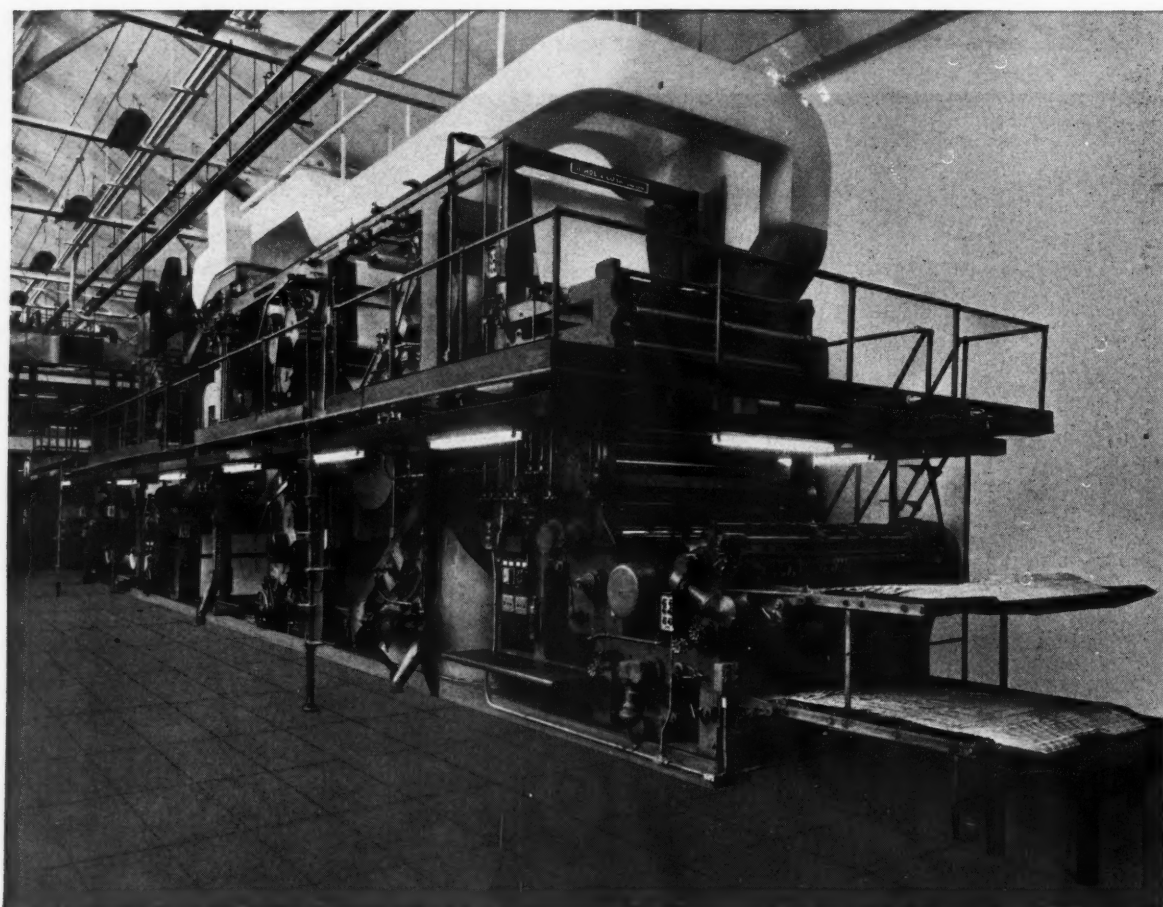
*For maximum
high quality
production*

ALWAYS widely used for printing America's outstanding quality magazines, more and more Hoe Super-Production Magazine Presses are continually being built for leading publishers, who demand printing of the finest quality, accurately registered color, high speed and great productivity.

Recent installations include thirteen 64-page magazine presses all equipped with Hoe Three-Arm Reels, Running Belt Tensions and Full-Speed Web-Splicing Mechanisms.

Consistent reliability of performance — thanks to Hoe's advanced designing, precision craftsmanship and rugged construction — make Hoe Super-Production Magazine Presses the choice of publishers who are seeking the utmost in profitable quality production.

We will welcome an opportunity to furnish you detailed information.



R. HOE & CO., INC.

BRANCHES: BOSTON • CHICAGO • SAN FRANCISCO

910 East 138th Street New York 54, N. Y.

When Special Stocks

demand special inks

•From book matches to boxes, bread wrappers to metal signs—Daycos are unequaled for waxing, graining, coating and varnishing. Delivering matchless printed work on tricky papers, metals, glass or wood—Dayco's velvety, smooth surface picks up and deposits special inks evenly on letterpress forms or offset plates. The patented, exclusive "tailor-made" construction of Dayco Rollers makes them outlast ordinary rollers four to one, even when working with Hydry, heat set, metallic, fast drying, oil base and other inks, Daycos don't absorb ink pigments, swell out of round or develop high and low spots. Unaffected by oils, moisture or acids—Daycos can *print it for you better, at lower cost per month!* Get the facts from: *Dayton Rubber, Dayton, Ohio.*

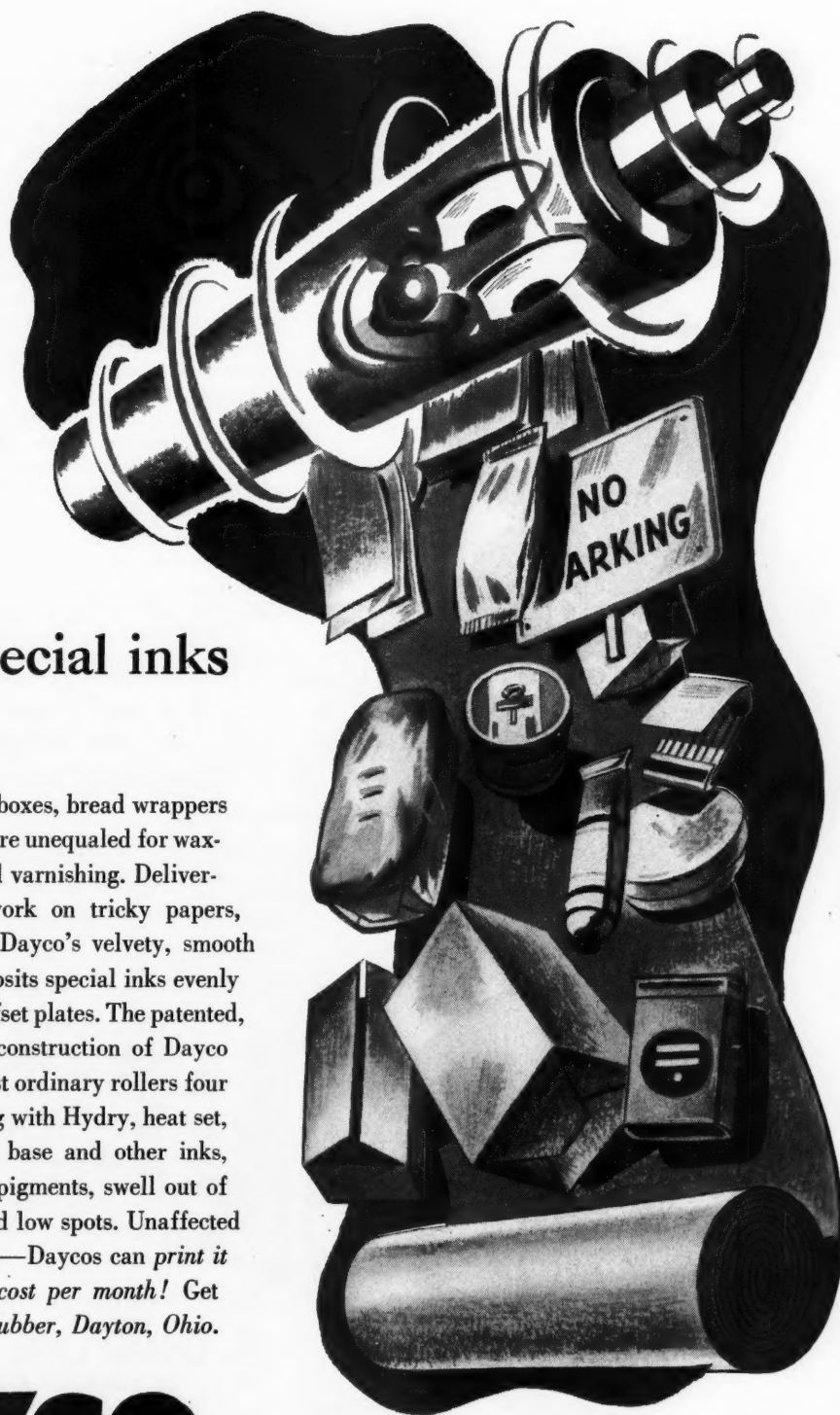
dayco

ROLLERS FOR THE PRINTING INDUSTRY

by **Dayton Rubber**

The Originators and Pioneers of Synthetic Rubber Printing and Lithographic Rollers

For Items Not Advertised, Write THE INLAND PRINTER'S "Readers' Service"



**18,000
MULTICOLOR
SHEETS
PER HOUR!**

**MORE
PROFITABLE
PRINTING**

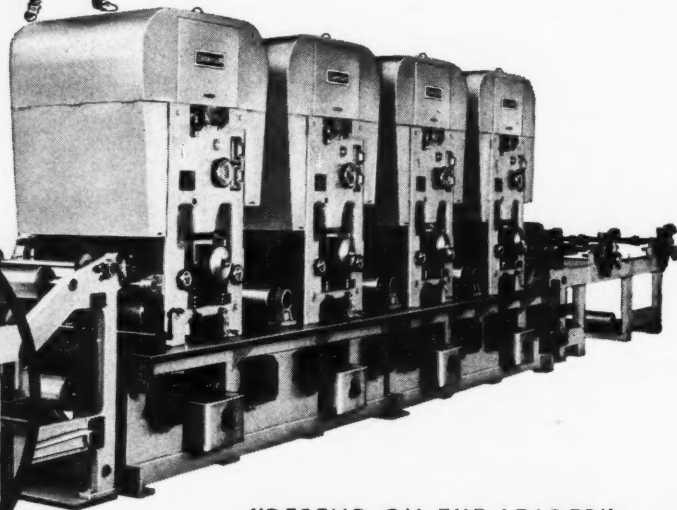
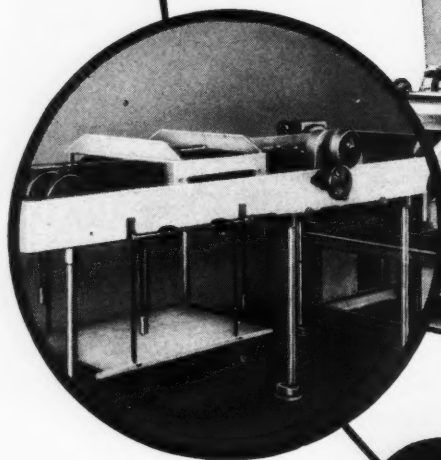
FASTER

BETTER

You'll get printed sheets faster than ever before with a Champlain Rotogravure Press and Sheeter and you'll get them with the advantages and economies inherent with roll fed paper. Two types of delivery are possible... to a slow moving belt... or, to an accurately jogged pile. 18,000 multicolor sheets per hour with ink, instantly dried... no paper distortion and resulting loss of color register because all colors are run in one pass through the press... gloss inks and varnish in the same operation... print on one or both sides of the web with the most difficult inks. Add up those facts in favor of doing the job with Champlain rotogravure and sheeting equipment and see the difference it makes in your production figures.

Accurately square cutting to $\pm 1/64$ th inch tolerance, Champlain Rotary Sheeters handle stocks from glassine to cardboard. 360" planetary running register or "Registron" allow for push button or full electronic control of color register. Sheets are delivered cut to exact copy size. This means waste is practically eliminated. Entire cutting mechanism is adjustable for varying sheet sizes anywhere between maximum-minimum range.

Send samples of your production to us
— let Champlain show you how to do
the job—better, faster, more profitably.



"DEPEND ON THE LEADER"



CHAMPLAIN COMPANY, INC.

88 LLEWELLYN AVENUE, BLOOMFIELD, N. J.
Chicago Office: 7 W. Madison St., Chicago 2, Ill.

ROTOGRAVURE AT ITS BEST

Here are some

advantages of

CHAMPLAIN ROTOGRAVURE

MULTICOLOR
— 1 PASS
THROUGH PRESS

NO
MAKEREADY

NO OFFSET
— NO SMEAR

NO
PRESS WASHUP

ELECTRONIC
OR
PUSH BUTTON
REGISTER
CONTROL

FAMOUS

COVER GIRLS *photographed by Benedict Frankel*

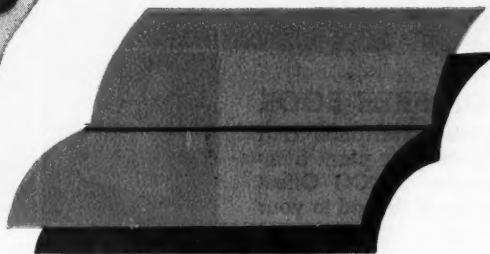
CAROLE CROWTHERS has worn more diamonds in her young life than a royal princess. In one photograph alone, she modeled five million dollars worth of diamonds, including the famous Jonkers jewel. Yet the only diamond of real interest to her is the one she wears, third finger, left hand. For this, and two dozen roses every Thursday, she has refused three Hollywood offers. Carole is also a favorite model for that million-dollar look in hats by Sally Victor, Lily Dache and Laddie Northridge. She loves golf and travel, spends her vacations exploring the world. Her new apartment was decorated by, and photographed for, MADEMOISELLE'S LIVING Magazine.

COVER PAPERS *made by The Beckett Paper Company*

Color that catches the eye, texture that is pleasing to the touch, quality that assures long wear — these are the ingredients that make BUCKEYE and BECKETT COVERS the first choice of admen and printers everywhere. Keep inspiration at your elbow with the Beckett Auto-File — better than any sample book, it contains samples of all colors, weights and textures, ready for use in working up dummies.

The
BECKETT
Paper Company HAMILTON, OHIO

IF YOU WANT YOUR CATALOGUE OR BOOK-
LET TO BE READ FROM COVER TO COVER
— be sure it has a cover!



Green — one of 13 colors in the
BUCKEYE COVER line.



E.B.CO

Registers with Lithographers Everywhere

Here are illustrations of less than one quarter of E. B. CO Presses operating throughout the world . . .



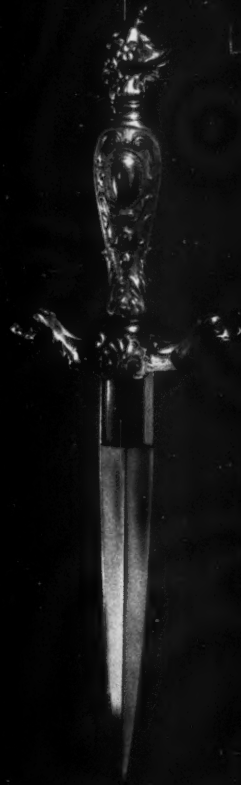
WRITE FOR FREE BOOK

For a complete description and an actual lithographic plant demonstration of the E. B. CO Offset Press clip corner of this ad to your letterhead

EBCO

PRINTING MACHINERY DIVISION—ELECTRIC BOAT COMPANY

445 PARK AVENUE, NEW YORK 22, NEW YORK
400 WEST MADISON STREET, CHICAGO 6, ILLINOIS
RUSS BUILDING, SAN FRANCISCO 4, CALIFORNIA



Sword of Damocles (20th Century Model)

DAMOCLES OF SYRACUSE was placed beneath a dagger hanging by a single hair—a suggestion, perhaps, of the fragile forces that stood between him and his fate.

THE 20TH CENTURY DAGGER shown above is the familiar office friend—the letter knife. But it, too, is dangerous in its way. How many of the messages it opens in the morning survive until the night?

Surely the shoddy have small chance. Certainly the letters revealing the good judgment of the sender will meet the warmest receptions and earn the quickest rewards.

Good letterhead paper—HOWARD BOND, to be specific—makes an earnest bid for favorable attention, particularly when combined with good letters and good printing.

HOWARD BOND has fine appearance. It has the character, the finish, the *feel* that earn respect. It gives your letter the chance you seek—a thoughtful interested reading.

HOWARD BOND is available, in 12 clean colors and *whitest* white, through leading printers and paper distributors. Specify it for letterheads that welcome the letter knife.

HOWARD PAPER MILLS, INC. • HOWARD PAPER COMPANY DIVISION, URBANA, OHIO

Howard Bond

"THE NATION'S BUSINESS PAPER"



Semaphores for Salesmen?



After all, there's a place for everything.

Of course, your business requires an impressive letterhead printed on an impressive letterhead bond. But for the printing of office and factory forms, memos, copies—the hundreds of utility jobs for paper in business—you need thrifty, practical *Maxwell Bond*.

It's completely workable on the press, and

with pen, pencil and typewriter. You can erase on it cleanly and produce plenty of clear carbons. The watermark is there to attest the quality of its manufacture.

Maxwell Bond is made expressly to do these certain jobs. And that means, in addition to versatility, that its cost is well within every overhead budget. Sound good? It is!

Maxwell Bond

America's Favorite Low-Cost Bond

Howard Paper Mills, Inc. • Maxwell Paper Company Division • Franklin, Ohio

New RUTHERFORD

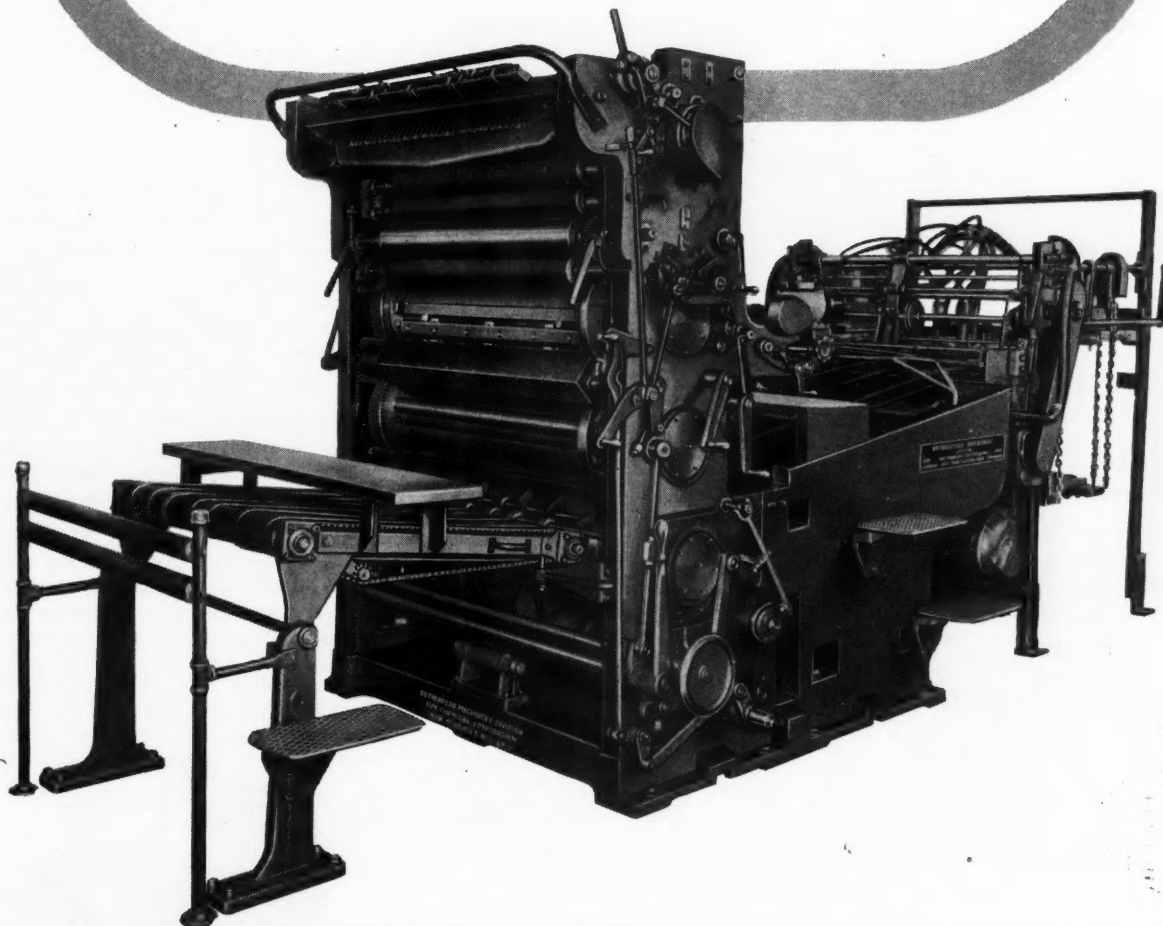
OFFSET PRESS *for*

LITHOGRAPHING SHEET METAL

Since the turn of the century, Rutherford has pioneered in the development of machinery for coating and lithographing on metal.

Adhering to the policy of manufacturing only the finest machinery for lithographers and printers, and never marketing a new machine until its value has been proved, we announce Rutherford's New Offset Press for Lithographing Sheet Metal.

For your present needs or future requirements, we recommend that you investigate the possibilities this machine offers in production and economy. We would welcome an opportunity to show you this press in operation. A demonstration would not place you under any obligation.



RUTHERFORD MACHINERY
DIVISION
GRAPHIC ARTS GROUP

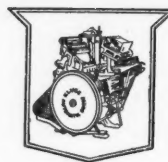


Main Office
100 SIXTH AVE., NEW YORK 13, N. Y.
Factory
EAST RUTHERFORD, NEW JERSEY

When Writing These Advertisers, Please Mention THE INLAND PRINTER

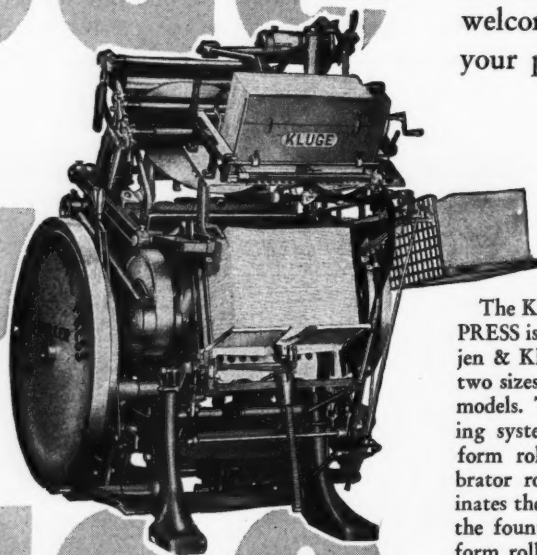
Kluge

KLUGE PRESSES IN



Today, as for 25 years prior to the war, the name Kluge is a standard of quality for

presses. Our production is steadily increasing and we welcome any inquiries as to your pressroom needs.

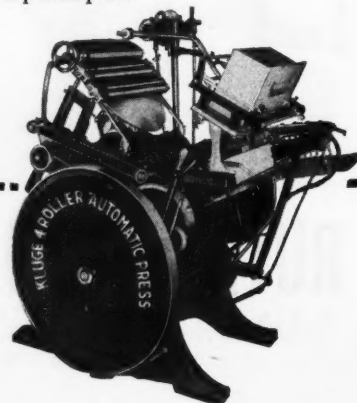


DESCRIPTION

The KLUGE AUTOMATIC PLATEN PRESS is a complete unit built by Brandtjen & Kluge, Inc. It is manufactured in two sizes, 10 x 15 and 12 x 18 in several models. The standard model has an inking system with 2 distributor rollers, 4 form rollers and 3 steel rider and vibrator rollers. The 4-roller model eliminates the distributor rollers and rider and the fountain is mounted so that the top form roller contacts the fountain rollers.

USES

The KLUGE AUTOMATIC PLATEN PRESS is exceptionally versatile and will handle automatically virtually any weight of paper from the lightest tissue to the heaviest card and board. Its unique distribution system and its absolutely rigid impression make it capable of producing printing long considered outside the scope of a platen press.



PRODUCTION!

SPECIFICATONS

DISTRIBUTION

2 distributor rollers with steel rider
4 form rollers with 2 steel vibrators
Controlled fountain rotation

IMPRESSION

Stationary backshaft
Locked throwoff
5 platen adjusting screws

CONSTRUCTION

4 piece frame
Balanced flywheel
Upper reciprocating parts aluminum wherever possible
Extra heavy side arms, shafts and gears
Double row ball bearing cam rollers
Weight scientifically balanced with low center of gravity

SIZES

12 x 18
Maximum sheet..... 14 x 18½
Minimum sheet..... 3 x 4
Inside chase..... 12 x 18
Inside skeleton chase..... 13 x 19
Rollers diameter..... 2 inches
Net weight..... 3450 lbs.
Width (overall)..... 56 inches
Length (overall)..... 82 inches
Speed..... 3000 per hour

10 x 15
Maximum sheet..... 12 x 15
Minimum sheet..... 2 x 3
Inside chase..... 10 x 15
Inside skeleton chase..... 10½ x 15½
Roller diameter..... 1¾ inches
Net weight..... 2500 lbs.
Width (overall)..... 48 inches
Length (overall)..... 74 inches
Speed..... 3500 per hour

OTHER MODELS

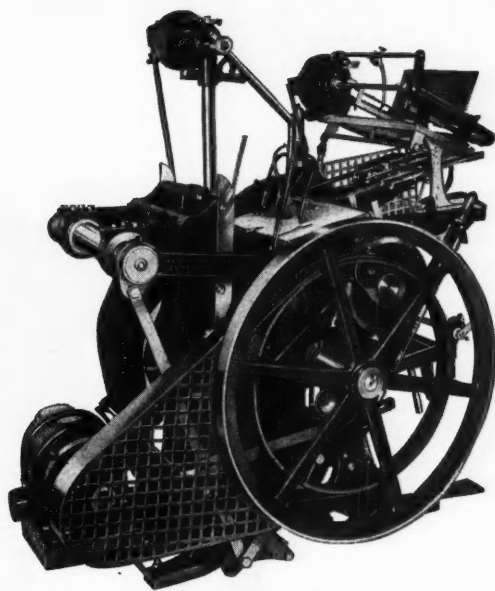
DIE CUTTING PRESS. This press does not have the inking system. A second flywheel with special bearing is added to the regular press to provide great follow through on heavy work.

COMBINATION DIE CUTTING & PRINTING PRESS. This is the die-cutting press plus the standard KLUGE distribution system. Engineered for long life and economical production.

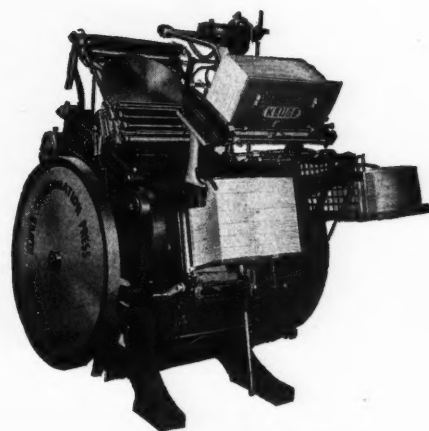
KLUGE OPEN PRESS AND AUTOMATIC PLATEN PRESS FEEDERS

The Kluge 10 x 15 and 12 x 18 open press may be had with either four or six rollers. The Kluge Automatic Feeder is made to attach to either old series or new series C & P Platen Presses or Kluge Open Presses and is built for 10 x 15, 12 x 18 and Craftsman presses.

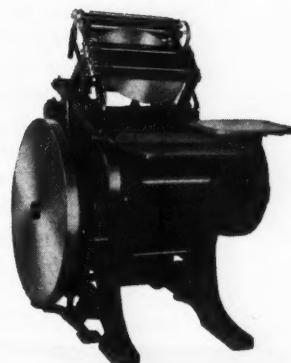
This automatic feeder makes an automatic unit out of an open press and greatly increases production. It will handle the same wide variety of weights and sizes of stock as the KLUGE FEEDER which is built into the KLUGE AUTOMATIC PLATEN PRESS.



Kluge Automatic Die-Cutting and Embossing Press



Kluge Combination Die-Cutting and Printing Press



Kluge Open Press

BRANDTJEN & KLUGE, INC.
SAINT PAUL 3, MINNESOTA



INCLUDE IN YOUR PLANS

Financing

THAT CONSERVES YOUR
WORKING CAPITAL

UNDER today's business conditions the use of efficient, labor-saving machinery and equipment is a "must". Concerns equipped with modern machinery, designed to increase production and decrease costs, have a decided advantage over less foresighted competitors.

Responsible concerns can purchase machinery and equipment WITHOUT TYING UP THEIR WORKING CAPITAL. Terms can be arranged which spread payment over extended periods. The cost is then amortized out of income and the installation pays its own way out of increased earning capacity.

After you make an initial payment, C.I.T.

WILL FURNISH THE BALANCE OF THE MONEY TO COMPLETE THE TRANSACTION. The reasonable cost of this financing is based on the number of months required to liquidate the obligation. Meanwhile, you have put expansion plans into action without depleting your operating funds.

Whenever you buy machinery and equipment, it will pay you to find out how C.I.T. financing can benefit you. Ask any of the offices below to tell you how our resources can be placed at your disposal. The information may make it easier for you to conserve your working capital.

WHEN YOU THINK
OF FINANCING
THINK OF

C.I.T. CORPORATION



The Case Of The Hungry Indian

● This rather pitiful fellow hunts all day but seldom hits anything. It seems his arrows got damp and warped a little.

Many a printed sales message is missing its mark today for pretty much the same reason.

Uncontrolled moisture causes printing papers to warp and curl spoiling close register and blunting sales effectiveness.

Chillicothe Offset is the first paper stock ever sold with the "just-right" moisture content built in. Most pressmen say they run it without hanging, yet are untroubled by shrink, stretch, curl, or lint.

Another built-in feature of this fine stock is color printability. It supports every color without change.

It guarantees what the eye alone can never see. It's white for the press—bright for the press—right for the press.

Maker of a distinctive line of fine papers for many uses, including such distinguished stocks as

LOGAN AND ADENA OFFSET AND BOOK

CHAMOIS TEXT • CHILLTINTS

GREETING CARD PAPETERIES

—ask us about them

"Chillicothe Papers—  *make the best impression"*

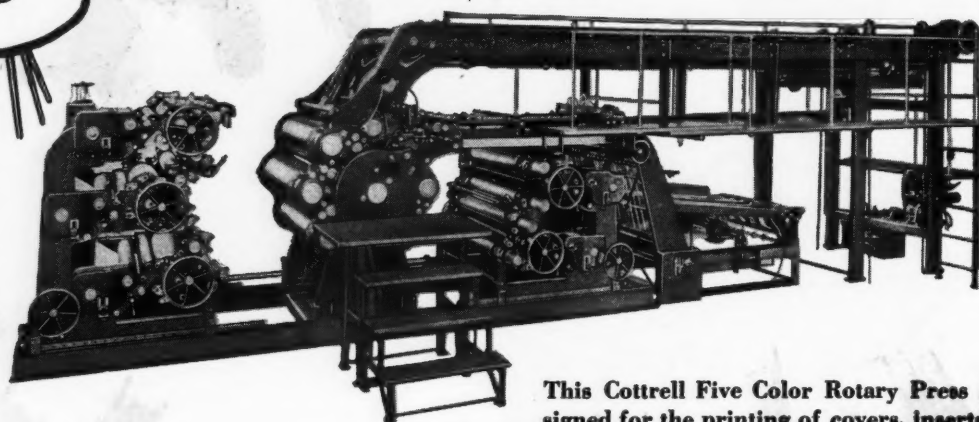
THE CHILICOTHE PAPER CO.

CHILICOTHE, OHIO

For Items Not Advertised, Write THE INLAND PRINTER'S "Readers' Service"



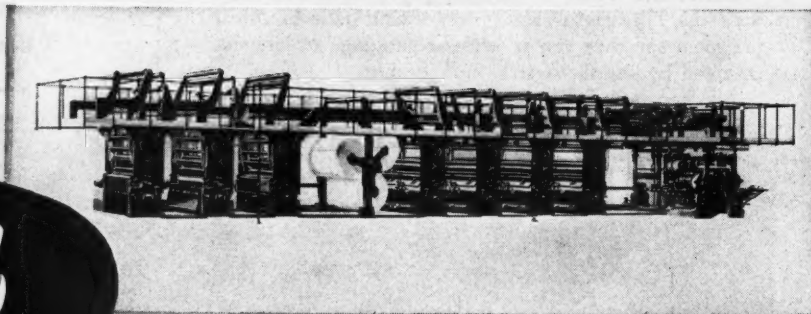
OTTRELL FOR THE FI



This Cottrell Five Color Rotary Press is designed for the printing of covers, inserts, and general color work. The 36" x 48" has a printing speed up to 5500 sheets per hour and the 48" x 71" will print up to 4500 sheets per hour — in five colors.

See us also for Roughing and Shaving machines . . . Non-Stretch Plate curving machines . . . Curved Plate Finishing machines . . . Four Color Proof Presses and Single-Color Proof Presses.

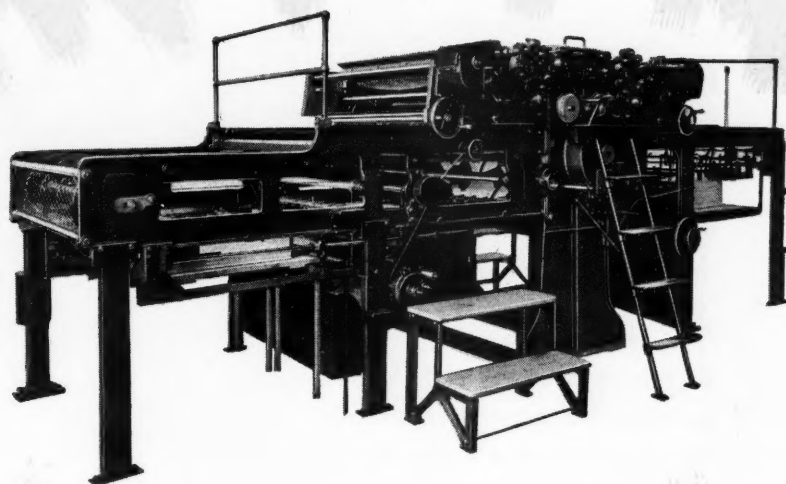
This outstanding Cottrell Rotogravure press prints two, three or four colors first side and four colors second side at speeds of from 1200 feet per minute.



Cottrell

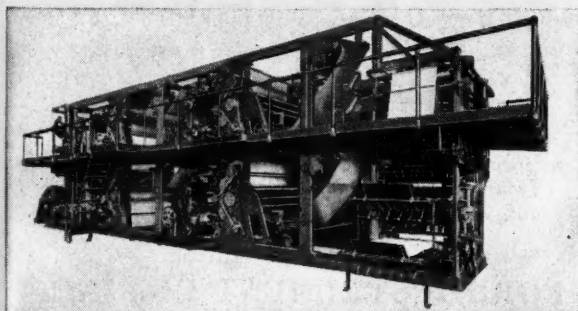


THE FINEST IN COLOR PRINTING

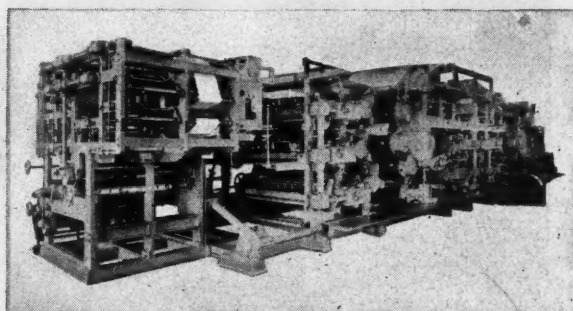


The Cottrell two color rotary press offers high speed production and outstanding economy. The 36" x 48" will print at speeds up to 5500 sheets per hour and the 40" x 59" and 48" x 71" will print up to 4500 sheets per hour.

This Cottrell Double-Deck Double two color press built for mail order catalog and general magazine printing, prints at speeds of from 1000 to 1200 feet per minute.



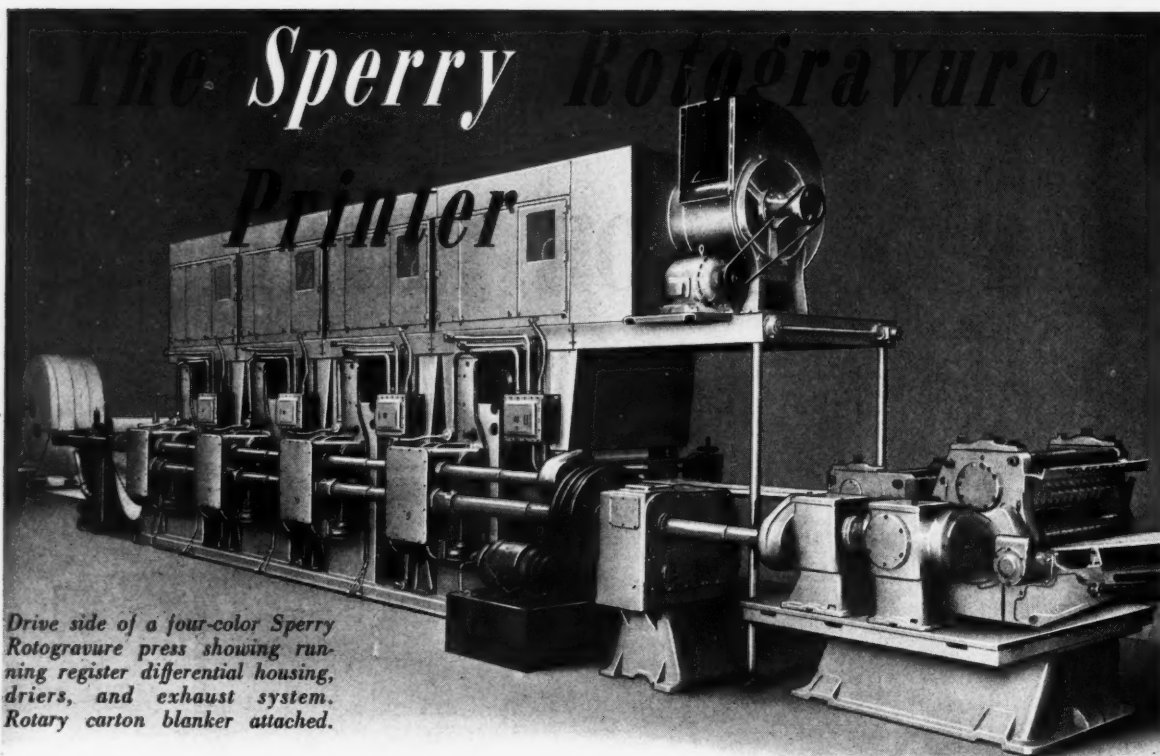
This Double Five Color web fed press is designed for the finest quality Magazine printing. It prints, folds and delivers at speeds of from 800 to 1200 feet per minute.



C. B. COTTRELL & SONS CO.

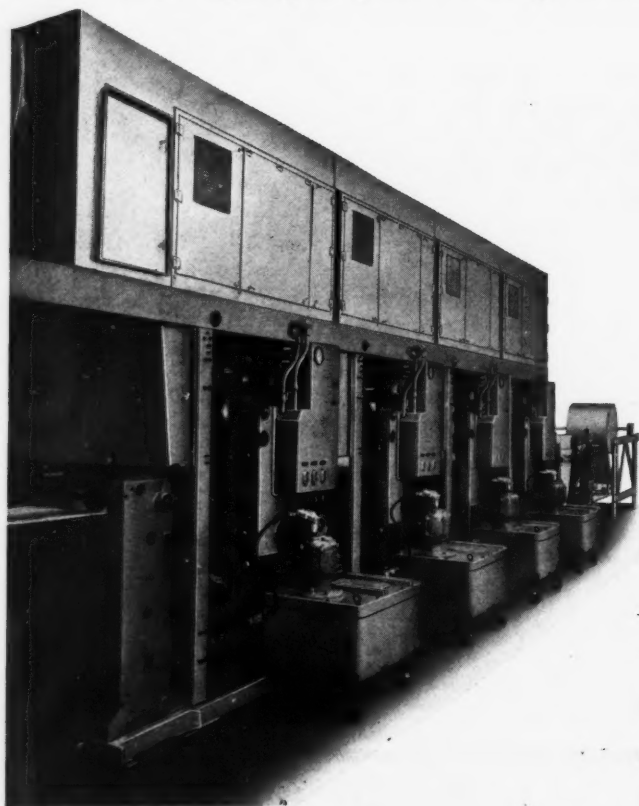
Westerly, Rhode Island

New York: 25 E. 26th St. • Clayburn Division: 3713 N. Humboldt Ave., Milwaukee, Wis.
Chicago: Daily News Bldg., 400 W. Madison St.
Smyth-Horne, Ltd., 13 Bedford Row, London W.C. 1, Eng.



Drive side of a four-color Sperry Rotogravure press showing running register differential housing, driers, and exhaust system. Rotary carton blower attached.

It is gratifying to report that the SPERRY ROTOGRAVURE installations now in operation are far exceeding original production expectations.



FORD INSTRUMENT proudly presents these famous names as users and purchasers of Sperry Rotogravure equipment:

Alton Box Board Company
General Foods Corporation
Hudson Pulp & Paper Corp.
National Folding Box Company, Inc.
Strawberry Hill Press, Inc.
Sutherland Paper Company
The Gardner-Richardson Company
The Ohio Boxboard Co.

Operator side of a Sperry Rotogravure press showing doctor blade accessibility and roll-away ink sump in running position.

FORD INSTRUMENT CO., INC.

A SUBSIDIARY OF

THE SPERRY CORPORATION

31-10 THOMSON AVENUE

LONG ISLAND CITY 1, N. Y.



Copyright, 1948, by The Northwest Paper Company

NORTHWEST

Pedigreed Printing Papers

ALWAYS MAKE GOOD PRINTING BETTER



THE NORTHWEST PAPER COMPANY CLOQUET, MINNESOTA

THE NORTHWEST

PAPER COMPANY

CLOQUET, MINNESOTA

CHICAGO 6 - 20 N. WACKER DRIVE

MINNEAPOLIS 2 - FOSHAY TOWER

ST. LOUIS 3 - SHELL BUILDING

NORTHWEST BOND
NORTHWEST LEDGER
NORTHWEST Mimeo BOND
NORTHWEST OFFSET
NORTHWEST INDEX BRISTOL
NORTHWEST POST CARD
KLO-KAY BOOK
KLO-KAY LABEL
MOUNTIE BOOK
MOUNTIE OFFSET
CARLTON BOND
CARLTON LEDGER
CARLTON MIMEOGRAPH
CARLTON DUPLICATOR
NORTH STAR WRITING
POSTER

P R I N T I N G P A P E R S



E N V E L O P E P A P E R S

NORTEX WHITE
NORTEX BUFF
NORTEX GRAY
MOUNTIE
CARLTON

C O N V E R T I N G P A P E R S

PAPETERIES
DRAWING
ADDING MACHINE
REGISTER
LINING
GUMMING
COATING RAW STOCK
CUP PAPER



STRENGTH

without Bulk!



LITTLE DAVID, as the bible story goes, though light in weight, easily proved the superior of his bulkier rival.

In the field of Bible Paper, Smith offers large varieties which are light, but strong and durable.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

SMITH BIBLE PAPERS, though razor thin, are built to stand extremely hard usage. This is one reason why, more and more, Smith Bible Papers are being chosen for bibles, rate books, pocket memorandums, encyclopedias, and similar volumes where bulkiness cannot be tolerated.

Another reason for the ever-growing preference for Smith is the amazing opacity of these fine-texture papers. Type and illustrations, alike, appear in bold, clear relief. Yet despite excellent legibility, no impression shows through.

Backed by more than 100 years of papermaking skill, Smith is ready to put its rich and varied experience at your disposal, at any time. If you are faced with some problem in the handling or application of bible paper, let Smith help you. All inquiries will receive prompt, courteous attention.

Important news for printers, production men, advertising personnel!

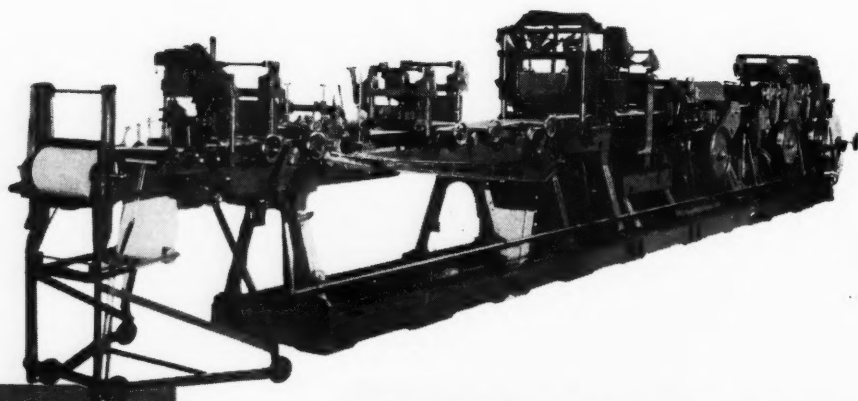
Of proven practicality, and designed for wider use, is the practice of using bible paper for inserts, envelope stuffers, flyers, etc. While still retaining complete readability, the lighter weight of bible paper affords immeasurable economy on mailing and transportation charges. Be modern, be smart! Recommend Smith Bible Paper for that next promotion job you have to fill.

Manufacturers of light weight tissue specialties

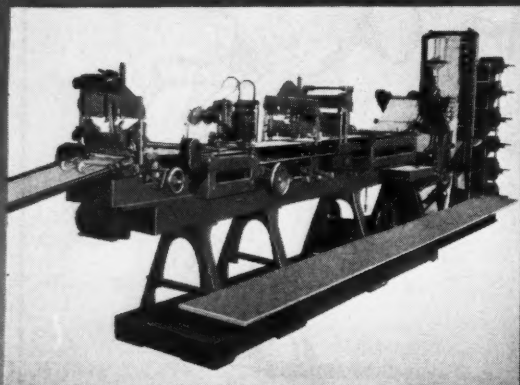
SMITH PAPER INC.

LEE, MASSACHUSETTS





NEW ERA MULTI-PROCESS PRESS—A flat-bed, web press for producing various combinations of printing and finishing jobs in one operation. Prints Tags, Tickets, Checks, Labels, Zig-Zags and Snap-Outs, Book Match Covers, small Cartons, etc. Equipped with fabricating units for perforating, punching, slitting, numbering, die-cutting, scoring and reinforcing or inserting metal eyelets. No curved plates are required. Prints, any number of colors on one or both sides of web. Register quick and accurate—sideways or lengthwise of web. Speeds up to 8,000 impressions per hour.



NEW ERA COLLATING MACHINE—Eliminates hand collating for snap-outs and continuous forms using a web feed. 12" by any length up to 12" width. Equipped to collate 13 webs, or 7 paper and 6 carbon rolls. Cuts-off singly, gangs or zig-zag folded. Can be equipped to gum along the web on one or both sides; wire staple across or along the web; perforate, punch or slit. Operates at speeds up to 6,000 sets per hour.

NEW ERA

PRINTING PRESSES AND ALLIED EQUIPMENT

NEW ERA
MANUFACTURING CO.
371 ELEVENTH AVENUE
PATERSON 4, NEW JERSEY

Send for Bulletins

OTHER NEW ERA PRODUCTS

Tabulating Card Press—
Carbon Processing Machines—

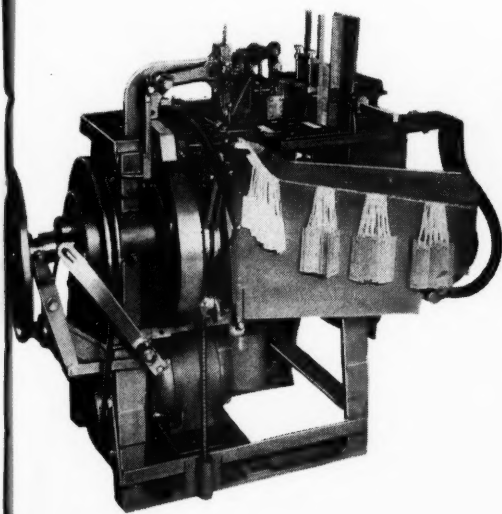
LOCKWOOD'S SUPERIOR PRESS

LOCKWOOD'S
INCORPORATED
Division of New Era Manufacturing Co.
373 ELEVENTH AVENUE
PATERSON 4, NEW JERSEY

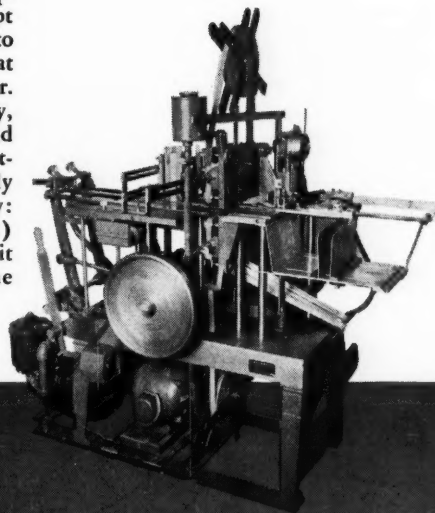


LOCKWOOD'S "SUPERIOR" MULTI-COLOR PRESS—All automatic press . . . from unwinding roll stock to rewinding finished job. Produces, in one, two or three colors, all types of gummed and ungummed Labels, Stickers and Tape; also Business Cards, Tickets, Tags, Bag Tops, Match Book Covers and general commercial printing. Additional units for perforating and numbering fit into chase. Stock feed length adjustable in 1/16th"; unwinding rolls adjust automatically. Prints from electros, type, plastic or rubber plates at speeds up to 5400 impressions per hour. Handles stock up to 5" to 9" length.

GRAEBER W
matically w
chandise tag
tags to 5" x
to 5400 per
ditions. Equ
wire gates v
21 to 26 gau
set of gates
double wire
signal, from
9" single a



GRAEBER TAG STRINGER AND KNOTTER—Handles booklets, shipping and merchandise tags (except round ones), from $\frac{3}{4}$ " by $1\frac{1}{4}$ " to 5" x 12" sizes, automatically at speeds up to 6500 tags per hour. Punches holes automatically, strings and knots silk cord and string up to No. 12. Round tag attachment can be supplied. Only three adjustments are necessary: (1) setting the tag magazine; (2) regulating air suction slides to suit size of tag; (3) adjusting the master cam.

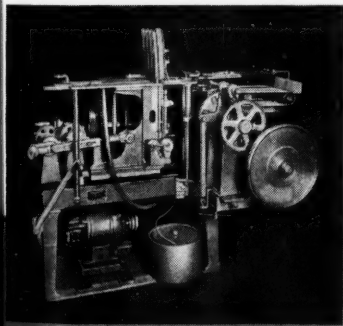


GRAEBER PATCH AND EYELETTING MACHINE—The latest addition to the Graeber line... automatically attaches patch or patch and eyelet anywhere on tags or envelopes. Patch can be applied on one or both sides... eyelet inserted with or without patch. Handles $\frac{7}{8}$ " or $15/16$ " wide patch stock. Equipped with glueing unit.

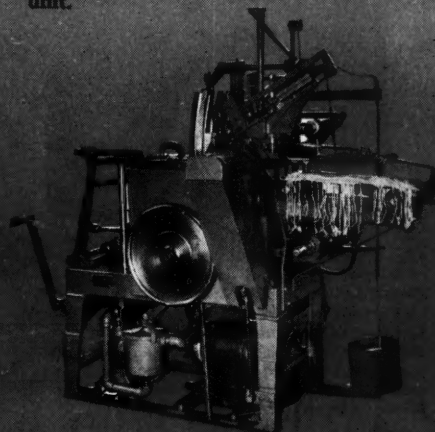
GRAEBER AUTOMATIC STRINGING AND WIRING MACHINES

PRODUCTION UNDER PERSONAL MANAGEMENT
OF MR. FRANK GRAEBER

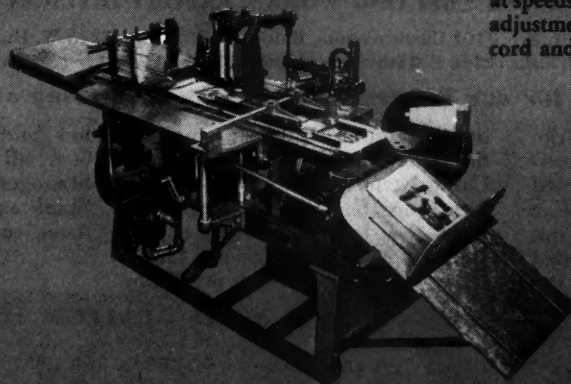
**GRAEBER
STRINGING & WIRING
MACHINE COMPANY**
Division of New Era Manufacturing Co.
375 ELEVENTH AVENUE
PATERSON 4, NEW JERSEY



OTHER GRAEBER MACHINES: Christmas Tag Looper; Round Tag Attachment for all Graeber Machines.

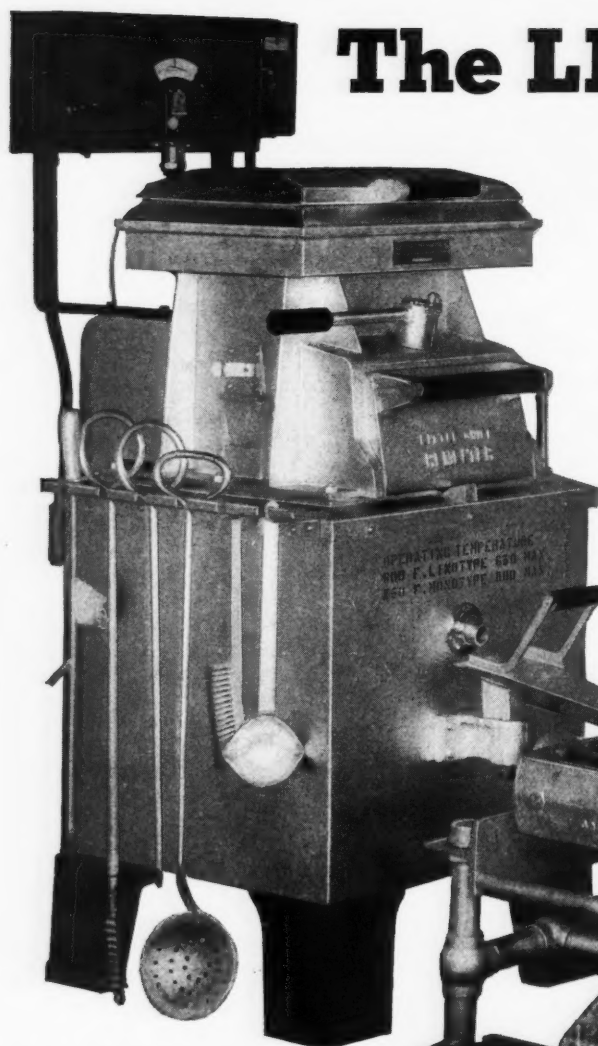


GRAEBER TAG STRINGER AND LOOPER—Handles shipping and merchandise tags (square, rectangular and odd shapes) from $1\frac{1}{8}$ " x $2\frac{1}{2}$ " to 5" x 14" sizes, automatically at speeds up to 6000 per hour. Three simple adjustments as with Knotter. Handles silk cord and string up to No. 12.



GRAEBER CALENDAR AND DISPLAY CARD STRINGER AND KNOTTER—Specifically designed to speed calendar finishing operations. Automatically punches hole, inserts silk cord or string, ties and knots it. Feeds calendars and all types of display cards from 3" x 5" up to 12" x 12 $\frac{1}{2}$ " automatically; up to 18" x 23" maximum, semi-automatically. Handles stock from .010 thickness up. Speed with automatic feed up to 40 per minute.

GRAEBER WIRING MACHINE—Automatically wires shipping and merchandise tags from No. 1 shipping tags to 5" x 14" tags—at speeds up to 5400 per hour, depending on conditions. Equipped with five sets of wire gates which handle wire from 21 to 26 gauge, copper or steel. Each set of gates will handle a single or double wire, according to desired length, from 5" single and double up to 9" single and 18" double wire feed.



The LITTLE CHIEF REMELTER

It's a beauty! Sturdy and strong. Cool and collected. Collects and keeps all of the heat inside and cool as a cucumber on the outside. Fumes cannot escape while in operation. You can operate it in the Composing-room without discomfort.

Efficient? The Little Chief is built for continuous operation. It remelts, gas-fired, as much as 3000 lbs. in a work-day. Electrically heated (see illustration) 2000 lbs. in a work-day.

There isn't another remelting furnace for small and medium sized plants that comes within a mile of the Little Chief for efficiency and economy.

The complete unit shown here consists of a bottom-pour self-feeding Little Chief Electric Remelter equipped with patented leak-proof Jordan internal valve; thermostatic control; internal lighting for easy skimming; casting trough and Twin-four water-cooled mold that casts the Double-ear Slip-off ingot (while the upper cavities are being filled, the lower ones are cooling).

United American Metals Corp'n

AND AFFILIATED CORPORATIONS
SYRACUSE SMELTING WORKS, EXPORT DIVISION

200 Diamond Street, Brooklyn 22, N. Y.
785 Bryant Street, San Francisco 7, Cal.

4101 Curtis Avenue, Baltimore 26, Md.
2448 E. 25th Street, Los Angeles 11, Cal.

2246 W. Hubbard Street, Chicago 12, Ill.
Kilgore Highway, Tyler, Texas

Write for our illustrated catalogue describing our

Big Chief Remelters for large printing plants and daily newspapers; Twintype water-cooled molds that cast the Double-Ear Slip-off ingots (which do not stick in the mold); the Air-cooled Rollover mold that dumps the

ingot without lifting the mold; the Dumperin that loads the Big Chief Remelter automatically (no more back-breaking shoveling; the Jordan (single chain continuous) feeder for the Lintype, Intertype, Monotype, Lud-

low and Elrod (a far advance over all other feeders); Hytin; Stanogen dross reducer; Flux Stanlite and other needful United American developments.

"AS FINE A TYPE METAL AS IS MADE—UNITED AMERICAN"

Flying Fingers Catch the Eye
 ... Readers Increase
 ... an Advertisement "Clicks"



Photograph courtesy
 BELL TELEPHONE
 LABORATORIES

● Action and accuracy are strikingly portrayed by this photograph which illustrated an advertisement in Popular Science Monthly for TWX—Teletypewriter Exchange Service.

Printed on Consolidated Coated Paper, Popular Science reproduces such photographs with maximum clarity, attracting extra attention to advertising and editorial pages.

Consolidated Coated^{*} Papers { PRODUCTION GLOSS MODERN GLOSS



The choice of Consolidated Coated for quality magazines and brochures *proves its ability to meet top printing requirements.* Its use for advertising pieces and publications, when costs are a first consideration, *is proof of Consolidated's economy.*

Actually, Consolidated Coated Papers provide

a rare combination of quality with economy; for these superior enamel papers are priced in the range of uncoated stocks.

Manufactured in weights down to 45 pounds, Consolidated Coated Papers fill almost every printing need, either for monotone or full-color work.

^{*}Reg. U. S. Pat. Off.

CONSOLIDATED WATER POWER & PAPER COMPANY

MAIN OFFICE
 WISCONSIN RAPIDS, WISCONSIN

Two Modern Mills

SALES OFFICE
 128 SO. LA SALLE ST., CHICAGO 3

flat as a pancake gummed paper

Just good paper, good glue and plenty of it...
Its fine qualities will speed up
your work...IT STAYS FLAT!

THE BROWN-BRIDGE MILLS, INC., TROY, OHIO

... offers gummed papers for all regular and special applications in a complete range of colors and finishes. Consult the Brown-Bridge distributor in your territory. He's listed below.

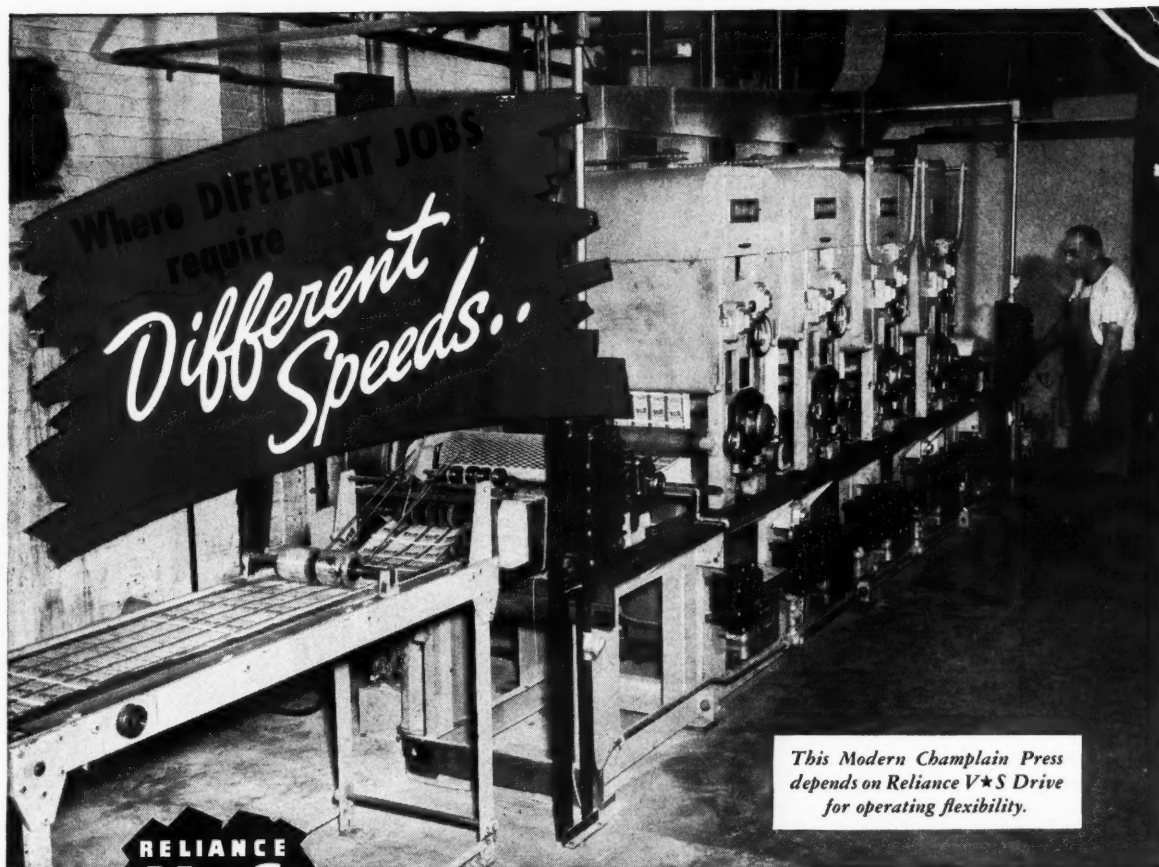


ABILENE, TEX.
James F. Stewart Co.—340 South 4th St.
AKRON, OHIO
Milcraft Paper Co.—235-237 E. Mill St.
ALLEN TOWN, PA.
G. A. Rinn Paper Co., Inc.—1101 N. Plymouth St.
ATLANTA, GA.
Whitaker Paper Co.—641 Whitehall St., S.W.
BALTIMORE, MD.
Barton, Duer & Koch—415 E. Lombard St.
Whitaker Paper Co.—210 E. Saratoga St.
White Rose Paper Co., Inc.—2 S. Fredrick St.
BIRMINGHAM, ALA.
Whitaker Paper Co., 1809 First Ave. N.
BRIDGEPORT, CONN.
Equity Paper Co.—640 Knowlton St.
BROOKLYN, N. Y.
Triangle Card & Paper Co.—174 Fulton St.
BUFFALO, N. Y.
Franklin-Cowan Paper Co.—441 Swan St.
Gebhard Paper Co.—150 Ellcott
BUTTE, MONT.
Ward-Thompson Paper Co.—820 Utah Avenue
CANTON, OHIO
Herrington Paper Co.
CEDAR RAPIDS, IOWA
Evans Paper Co.—318 South 1st St.
CHARLOTTE, N. C.
Caskie Paper Co., Inc.—308 E. 4th St.
Virginia Paper Co., Inc.—416 W. Third St.
CHATTANOOGA, TENN.
Bond-Sanders Paper Co.—1218 Carter St.
CHICAGO, ILL.
Forest Paper Co.—701 S. LaSalle St.
Fort Dearborn Paper Co.—1020 W. Adams St.
Kenny Paper Co.—908 W. North Avenue
Marquette Paper Co.—700 W. Lake St.
CINCINNATI, O.
The Johnston Paper Co.—2060 Reading Road
The Whitaker Paper Co.—Sixth & Lock Sts.
CLEVELAND, O.
Brewer-Chilcote Paper Co.—2160 Superior Ave.
Cleveland Paper Co.—1640 Superior Ave.
Millcraft Paper Co.—1927 E. 19th St.
COLUMBUS, OHIO
Scioto Paper Co.—142 N. Third St.
Sterling Paper Co.—560 S. Front St.
DALLAS, TEXAS
E. C. Palmer & Co.—2201 Laws St.
DAYTON, OHIO
Central Ohio Paper Co.—201 E. Sixth St.
The Jack Walkup Paper Co.—401 Hartford St.
DES MOINES, IOWA
Western Newspaper Union—108 W. Seventh St.
DETROIT, MICH.
Chase-Stevens Paper Co.—240 Chene St.
DULUTH, MINN.
Martin F. Falk Paper Co.—2110 W. Superior St.
FARGO, N. D.
Western Newspaper Union—402 Fourth Ave. N.
FLINT, MICH.
Beecher, Peck & Lewis—211 Brush St.
FORT WAYNE, IND.
The Millcraft Paper Co.—1001 Wells St.
FORT WORTH, TEX.
Lind Paper Co.—1608 Commerce St.

GRAND RAPIDS, MICH.
Grand Rapids Paper Co.—Ionia Ave. & Logan St.
GREEN BAY, WIS.
Steen-Macek Paper Co.—411 N. Washington St.
HIGH POINT, N. C.
Henley Paper Co.—125 S. Hamilton St.
HOUSTON, TEXAS
E. C. Palmer & Co.—802 Walnut St.
INDIANAPOLIS, IND.
Century Paper Co.—207 S. Meridian St.
Central Ohio Paper Co.—530 E. Ohio St.
JACKSONVILLE, FLA.
Virginia Paper Co., 509 E. 8th St.
JACKSON, MISS.
Central Paper Co.—417 N. Mill St.
KALAMAZOO, MICH.
Birmingham & Prosser Co.—508-512 E. Frank St.
KANSAS CITY, KAN.
Kansas Paper Co., Inc.—1401 Fairfax Trafficway
KANSAS CITY, MO.
Weber Paper Co.—1310 W. Eighth St.
Wertgame Paper Co.—1026 Broadway
KNOXVILLE, TENN.
Southern Paper Co., Inc.—1907 Grand Ave.
LANSING, MICH.
The Dudley Paper Co.—740 E. Shiawassee St.
LINCOLN, NEB.
Western Newspaper Union—126 N. 14th St.
LITTLE ROCK, ARK.
Western Newspaper Union—Second & Commerce Sts.
LOS ANGELES, CAL.
American Paper Co.—1149 S. Los Angeles St.
California Paper Products Co.—1028 N. Alameda
LOUISVILLE, KY.
Rowland Paper Co.—801 W. Magnolia St.
LYNCHBURG, VA.
Caskie Paper Co.—33-37 Cabell St.
MADISON, WIS.
Westport Paper Co.—114 S. Carroll St.
MEMPHIS, TENN.
Western Newspaper Union—409 S. Second St.
MENASHA, WIS.
Yankee Paper & Specialty Co.
MILWAUKEE, WIS.
Oshkosh Paper Co.—1037 N. Water St.
MINNEAPOLIS, MINN.
C. J. Duffey Paper Co.—618 Washington Ave. N.
Martin F. Falk Paper Co.—7th St. & Second Ave.
NASHVILLE, TENN.
Bond-Sanders Paper Co.—527 Eighth Ave. S.
NEW ORLEANS, LA.
E. C. Palmer & Co., Ltd.—523 Lafayette St.
NEWARK, N. J.
National Paper Co. of N. J.—30 Hill St.
NEW YORK, N. Y.
Blach Bros. Paper Co.—111-119 W. 19th St.
Capital Paper Co., Inc.—106 7th Ave.
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Western Newspaper Union—Second & Harvey Sts.
OMAHA, NEBRASKA
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OSHKOSH, WIS.
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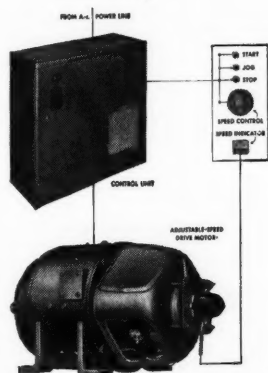
PASSAIC, N. J.
Inier City Paper Corp.—775 Main St.
PEORIA, ILL.
De Hater Paper Co.—120 S. Washington St.
PHILADELPHIA, PA.
Schuylkill Paper Co.—116 South 7th St.
Whiting-Patterson Co., Inc.—320 N. 13th St.
PITTSBURGH, PA.
The Whitaker Paper Co.—1005 Beaver Ave. N.S.
PORTLAND, OREGON
Fraser Paper Co.—25 N. W. Front Ave.
RICHMOND, VA.
Richmond Paper Co., Inc.—201 Governor St.
Virginia Paper Co., Inc.—140 Virginia St.
ROCHESTER, N. Y.
Dyger & Stone—36 St. Paul
Genesee Valley Paper Co., Inc.—453 Main St. W.
Printers Supply House—36 Mill St.
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Birmingham & Prosser Co.—2021 Delmar Blvd.
Central States Paper & Bag Co.—5200 Natural Bridge
Pioneer Paper Co.—2311 Chestnut St.
ST. PAUL, MINN.
Martin F. Falk Paper Co.—333 E. Seventh St.
SALT LAKE CITY, UTAH
Western Newspaper Union—126 Pierpont Ave.
SAN ANTONIO, TEX.
A. C. Ross & Son Paper Co.—406 Dolorosa St.
SAN FRANCISCO, CAL.
Dunn Paper Co.—613 Howard St.
SEATTLE, WASH.
Kaplan Paper Co.—3rd & Jackson Sts.
SHREVEPORT, LA.
Western Newspaper Union—90 Fannin St.
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Western Newspaper Union—5th & Virginia St.
TAMPA, FLA.
E. C. Palmer & Co., Ltd.—302 N. Willow St.
TERRE HAUTE, IND.
Mid-States Paper Co., Inc.—517 N. 13th St.
TOLEDO, OHIO
Paper Merchants, Inc.—607 Michigan St.
WASHINGTON, D. C.
Virginia Paper Co., 933 "D" St., N.W.
WICHITA, KANSAS
Southwest Paper Co.—140 N. Mosley St.
CANADA
EDMONTON, ALTA.
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MONTREAL, QUE.
Kruger Paper Co., Ltd.—941 Inspector St.
REGINA, SASK.
Clark Bros. & Co., Ltd.—1166 Broad St.
SASKATOON, SASK.
Clark Bros. & Co., Ltd.—P. O. Box 1339
TORONTO, ONT.
Blake Paper Co., Ltd.—112 Yonge St.
WINNIPEG, MAN.
Clark Bros. & Co., Ltd.—48-50 Charlotte St.
FOREIGN AGENT
Central National Corp.—22 E. 40th St., New York City, N. Y.
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"flat as a pancake" proofing sample kits are available at your distributors...



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"Adjustable-Speeds from A-c. Circuits"



Conveniently-packaged, factory-wired V*S Drives are available from 1 to 200 hp. Two or more Motors may be operated simultaneously from a single Control Unit.

Throughout the graphic arts field, the ability to adjust the speed of equipment to suit the job is often vital to efficient, profitable operation. And because Reliance V*S Drive provides quicker, easier speed changing with smoother acceleration and deceleration . . . it is claiming more and more users. Operating from A-c. circuits, this *Completely-packaged, All-electric, Adjustable-speed Drive* also offers quick, smooth starting and stopping . . . jogging speed for make-ready and inspection . . . maintenance of proper tension. Control can be manual or automatic . . . either at the press or from remote stations. Write today for new Bulletin 311, giving further facts it will pay you to have on Reliance V*S, the drive that has been proved in 10 years of successful applications.

Sales Representatives in Principal Cities

RELIANCE ELECTRIC AND ENGINEERING CO.

1101 IVANHOE ROAD • CLEVELAND 10, OHIO

"Motor-Drive for More Than Power"

Please Mention THE INLAND PRINTER When Writing To Advertisers

27



*The **IMPACT** of your printed selling is decided
by the quality and character of the art,
printing and paper you select — they furnish
the power that helps you drive your selling
messages home. That is why discerning buyers
of printing specify Oxford Papers, in any one
of many fine grades, to add the finishing
touch of quality to their sales-in-print.*

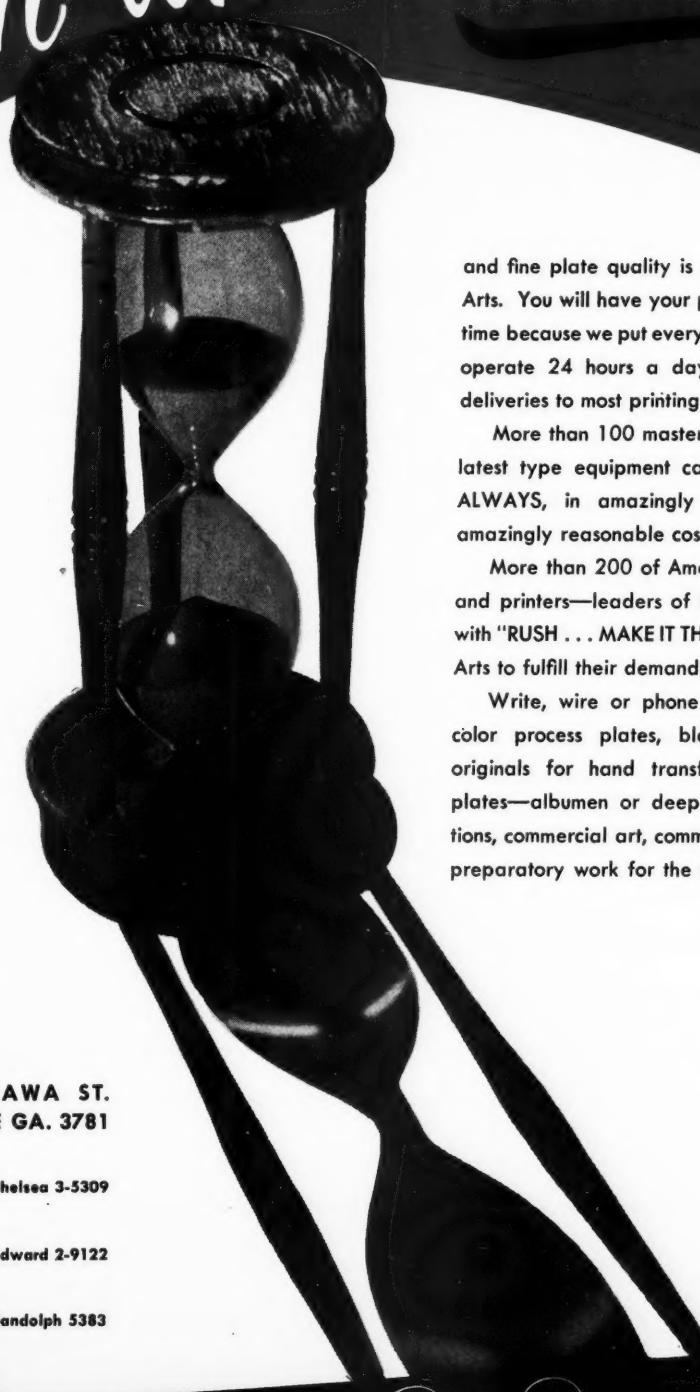
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COAST TO COAST



OXFORD PAPERS

230 Park Ave., New York 17, N. Y.

When time counts..



and fine plate quality is still a requisite, call Graphic Arts. You will have your plates in the shortest possible time because we put every job "in work" when received, operate 24 hours a day, and can make overnight deliveries to most printing centers.

More than 100 master craftsmen, working with the latest type equipment can give you superior results ALWAYS, in amazingly short time... and at an amazingly reasonable cost.

More than 200 of America's leading lithographers and printers—leaders of the craft—who are familiar with "RUSH... MAKE IT THE BEST", depend on Graphic Arts to fulfill their demands.

Write, wire or phone your next requirements in color process plates, black and white, highlights, originals for hand transfer, photo-composed press plates—albumen or deep etch, direct color separations, commercial art, commercial photography, or any preparatory work for the offset or letterpress printer.

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Graphic Arts Corporation OF OHIO
MAKERS OF FINE PRINTING PLATES
TOLEDO • NEW YORK • CHICAGO • DETROIT

What *YOU*... ...as a Binder should know about the *7* *Cleveland Folding Machines!*

WITH the type of Cleveland suited to your specific needs, you can speed your production and greatly increase your earning power.

For instance; on sheets from 4 x 6" to 22 x 28", Cleveland Model "Double O" will give you a wide range of folds at surface speed up to 325 feet per minute. Sheets up to 22 x 34" can be folded in parallels and up to 22x28" in right angles.

Model "Double O" handles weights of

stock from 30 lb. Thintext to heavy enamel and covers.

High speed, convenient operating features and proven dependability—with service available promptly if required, insure production to keep pace with your needs, plus ready adaptability to any job in hand.

Write for more information about these and other Dexter and Christensen Machines for the Binding Industry.

Dexter and Christensen Machines

All Dexter and Christensen Products are sold and serviced by

Dexter Folder Company • General Sales Offices, 330 West 42nd Street, New York 18, N. Y.

SALES REPRESENTATIVES: Chicago, Philadelphia, Boston, Cleveland, Washington, St. Louis

AGENTS: Dallas, Denver, San Francisco, Los Angeles, Seattle, Toronto, Montreal, Winnipeg . . . and in Foreign Countries

DEXTER Machines are built by Dexter Folder Company at Pearl River, N. Y.

CHRISTENSEN Machines are built by Christensen Machine Company at Racine, Wisc.

Good news from Hammermill!

DEEPLAKE

INDEX

is available again!

NOW when you want an inexpensive index sheet with a quality much higher than its price would lead you to expect, you can get it in DEEPLAKE INDEX!

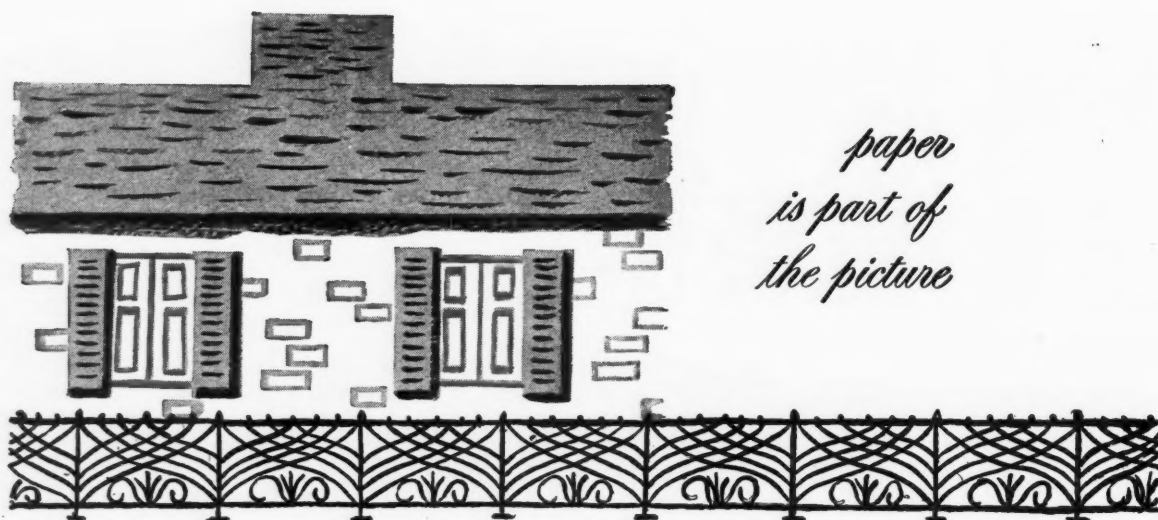
Use it for index and file cards, for mailers and folders . . . there are hundreds of uses where this Hammermill product does an efficient, economical job.

Make both your pressman and your customer happy by using DEEPLAKE INDEX for your next index job. Just call your Hammermill merchant.

Deeplake Index is available in white and six colors—buff, blue, canary, salmon, green, cherry. WRITE FOR SAMPLES.

HAMMERMILL PAPER COMPANY

1601 EAST LAKE ROAD • ERIE, PENNSYLVANIA



*paper
is part of
the picture*

Strathmore **CHROMA**

This new Strathmore paper offers you a completely different range of colors. **CHROMA** tones are medium-strong, yet keyed low, providing most expressive backgrounds with minimum effort in designing and printing.

In addition to its contribution of color, **CHROMA** affords a soft, highly practical printing surface, responsive to all techniques . . . a full-bodied texture that attracts and sustains interest. With **CHROMA** it is easy to produce printed pieces in endless variety—and with striking effect.

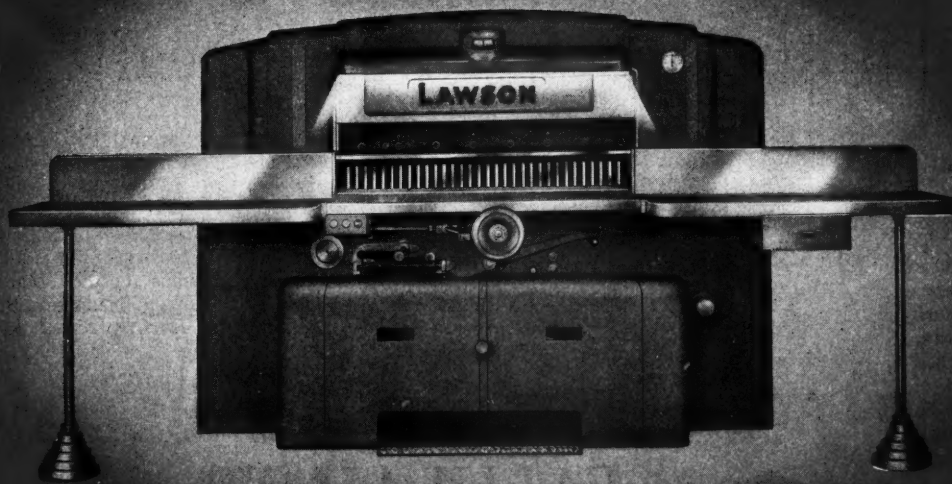
For a handsome, versatile paper that lends color to the sales message . . . that gets results with economy . . . choose Strathmore **CHROMA**.

STRATHMORE *expressive papers*

Strathmore Paper Company, West Springfield, Massachusetts



season's



Greetings



Maximum Appetizing Appeal!



Reproduced
by courtesy of
D. L. Clark
Company,
Pittsburgh, Pa.,
and
Penick & Ford
Ltd. Inc.,
New York City.



✿ In advertising candy and other food products it is vitally essential to have top-notch art work, perfect plates, masterful printing, the very best paper to assure the finest reproduction and maximum appetizing appeal.

Both of these outstanding car cards—Clark's Candy Bar and My-T-Fine Pie Filling...have all four of these elements.

Both cards were printed by Tabard Press of New York in five colors on 4-ply Falpaco Coated Blanks. For years Falpaco Coated Blanks have been first choice of printers because of the superlative results they assure in realistic reproduction. Famous for their blue-white color and exceptionally smooth finish. They are *specially coated* for letterpress printing.



See your paper merchant for samples and prices.

Distributed by Authorized Paper Merchants from Coast to Coast



FALULAH PAPER COMPANY

New York Office—500 Fifth Ave., N. Y. 18—Mills: Fitchburg, Mass.





CHALLENGE®

STYLE KA

PROOF PRESS

Proofing is a "headache" when your equipment is inadequate, inaccurate, and inefficient. But here's a remedy—a newly developed machine that makes proofing easy on the operator... a pleasure to customers... and profitable to you!

The Challenge KA Proof Press is actually a "hand-operated cylinder press" with automatic inker, micrometer side guide, gripper-equipped revolving cylinder and reciprocating bed. The bed rides on anti-friction rollers for easy operation and accurate, unyielding impressions.

Sheets are fed to the grippers and side guide, and the automatic inker is built to assure smooth, even ink distribution. A foot trip prevents offset on the cylinder packing during the return stroke of the press. The feed board slides back to give full access to the cylinder packing.

The Style KA will produce the highest quality work, including register proofs. Made in two sizes: No. 1528—takes a maximum form $14\frac{1}{2} \times 23\frac{1}{2}$ inches and No. 2028—takes a maximum form $19\frac{1}{2} \times 23\frac{1}{2}$ inches. Get complete details today!

THE CHALLENGE MACHINERY COMPANY

Main Office and Factory:
GRAND HAVEN, MICHIGAN



"Over 50 years in service of
the Graphic Arts"

Reg. U. S. Pat. Off.

DEALERS IN ALL PRINCIPAL CITIES

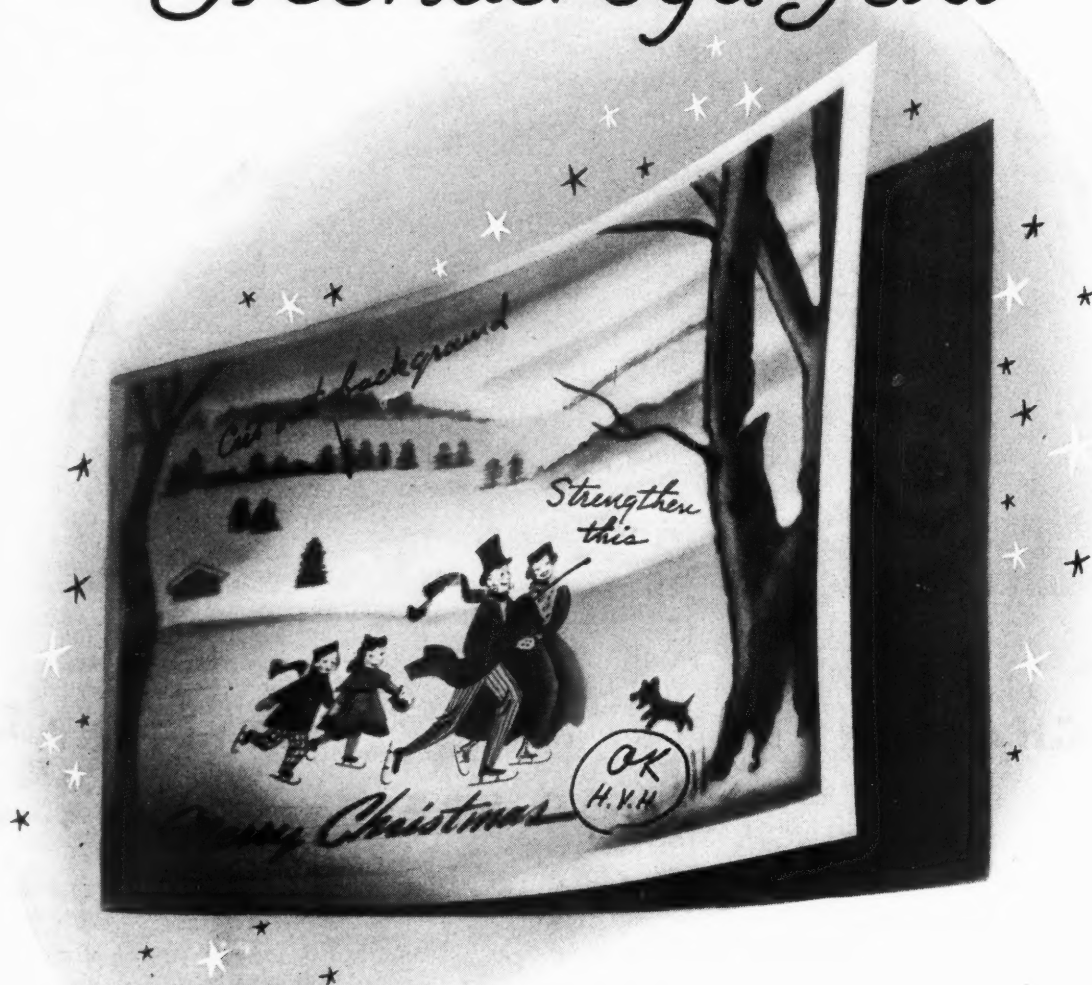
F. 1675

Please Mention **THE INLAND PRINTER** When Writing To Advertisers

35

bring your
layouts to life: print on

Ticonderoga Text



This versatile watermarked International paper extends the warmest, brightest greetings
of the season. Use Ticonderoga Text for letterpress, offset, gravure or photo-gelatin printing.

With any process, it gives a distinction you'd expect only in much higher-priced papers!

In laid and wove finishes, deckle or plain edge. Seven attractive colors, cream white and
brilliant white. International Paper Company, 220 East 42nd Street, N. Y. 17, N. Y.

INTERNATIONAL PAPERS



for Printing and Converting

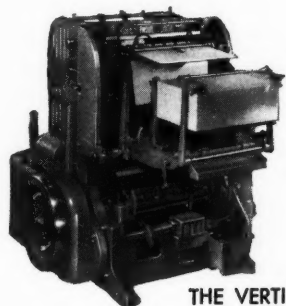
Miehle

Best

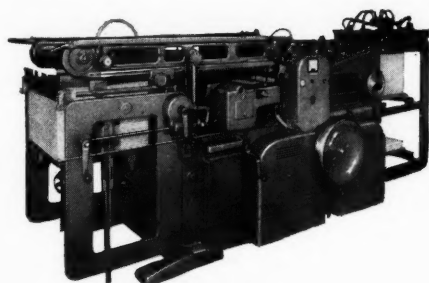
FOR PRODUCTION

LETTERPRESSES

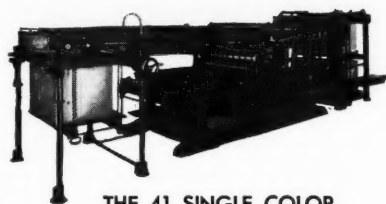
SINGLE COLOR PRESSES



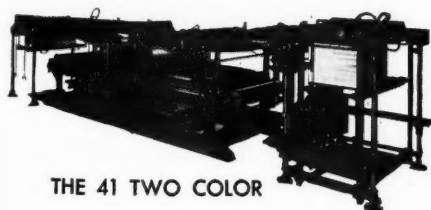
THE VERTICAL



THE 29 LETTERPRESS



THE 41 SINGLE COLOR



THE 41 TWO COLOR

PRESS MODEL	MAXIMUM SHEET	BED SIZE	NUMBER OF FORM ROLLERS	SPEED UP TO
VERTICAL (V-50)	14" x 20"	17¾" x 22"	2	5000
29	22" x 28"	25½" x 29"	2	4500
41 Single Color	28" x 41"	31¾" x 41½"	4	3000
46 Single Color	33¼" x 45½"	36⅝" x 46"	4	2800
56 Single Color	42" x 56"	44½" x 56½"	4	2250

TWO COLOR PRESSES

41 Two Color	27¼" x 41"	29⅞" x 41½"	4	2800
46 Two Color	32" x 45½"	36⅝" x 46"	4	2500
56 Two Color	38" x 56"	42⅞" x 56½"	4	2250
6/0 Two Color	46¼" x 69½"	52" x 70"	4	1500

PERFECTING PRESS

5/0 Per- fector	45" x 68½"	48⅞" x 69"	4	1600
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MIEHLE PRINTING PRESS AND MANUFACTURING COMPANY

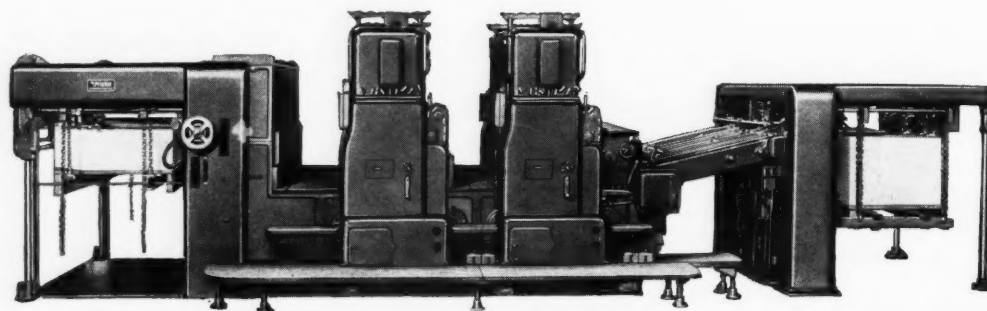
WORLD'S LARGEST MANUFACTURER OF SHEET FED PRESSES

CHICAGO 8, ILLINOIS

Miehle

Best

FOR PRODUCTION



THE TWO COLOR OFFSET

OFFSET PRESSES

Built in Two Sizes
One to Four Colors

PRESS MODEL	MAXIMUM SHEET	PLATE SIZE	DESIGN SIZE	SPEED UP TO
61	42" x 58"	47¼" x 59"	41⅝" x 58"	6500
76	52" x 76"	58" x 77"	51⅝" x 76"	6000

CUTTING AND CREASING PRESSES



CUTTER AND CREASER
WITH CARDBOARD FEEDER
AND PILE DELIVERY

PRESS MODEL	MAXIMUM SHEET	BED SIZE	SPEED UP TO
29	22" x 28"	25½" x 29"	4500
49	32" x 48½"	36⅝" x 49"	2400
61	38¼" x 60½"	44⅝" x 61"	2200
70	46¼" x 69½"	50¾" x 70"	1900

These brief specifications are offered for your convenience in reference. Always the leader, Miehle still leads the press manufacturing field with the present line of units shown on these pages. For more detailed information see your Miehle representative or write to . . .

MIEHLE PRINTING PRESS AND MANUFACTURING COMPANY

WORLD'S LARGEST MANUFACTURER OF SHEET FED PRESSES

CHICAGO 8, ILLINOIS



YOU CAN DEPEND ON THIS PAPER!

For smoother, faster and better looking printing or offset runs—
 use the paper that comes in the yellow wrapper with
 the blue stripes. Nekoosa Bond always lies flat. Never curls
 or wrinkles. Cuts down running time because it cuts down
 press stops. Yes, you can depend on Nekoosa Bond—
 for customer-satisfying, profit-making jobs.

America does business on **Nekoosa** ^{BOND}
 MADE IN U.S.A.

NEKOOSA-EDWARDS PAPER COMPANY • PORT EDWARDS, WISCONSIN

For Items Not Advertised, Write THE INLAND PRINTER'S "Readers' Service"

✓ NO FLAME

✓ NO WIRING

✓ NO CONTACT

...yet it ends
Static
PROBLEMS!

✓ NO OPERATING EXPENSE

An Entirely New Principle. The Ionotron Static Eliminator® is a brand-new application of a sound scientific principle. It is totally different from old-fashioned static eliminators. There is no hazardous flame. It uses no electric current, so it is shockproof. There is no tinsel to drag over, and sometimes smear, heavy forms.

And ... there is no Operating Expense. The Ionotron will far outlast the printing equipment to which it is attached. Life of the alpha-ray source in the Ionotron is measured in centuries rather than in years! Only maintenance needed is to keep the bar clean.

The Ionotron Static Eliminator bar contains a source of continuous radiation. This radiation ionizes the air and makes it a good conductor of static. The result: static bleeds off harmlessly over the ionized air to ground.

Ionotrons in Letterpress Printing. Ionotrons minimize choke-ups, and fire hazard due to static. They

are a valuable aid in securing even, straight piling at the jogger. They are easily applied.

Gravure Applications. Applied to gravure presses, Ionotron Static Eliminators minimize the hazard of fires started by static. Ionotrons make it possible to use thinner inks. They materially reduce the feathering caused by static.

Who is Using the Ionotron. The Ionotron Static Eliminator is in successful operation on a large number of printing presses. Among the users are Milprint, Incorporated, with plants in Milwaukee, Philadelphia, Los Angeles, San Francisco and Tucson, Doubleday & Company's Country Life Press, Oneida Paper Products Co. Printers everywhere are finding the answer to static problems in the Ionotron.

For Further Details. For more complete information on application of Ionotrons to printing machinery you use or design, fill in and mail the coupon. Manufactured and distributed in Canada and the British Commonwealth by: Eldorado Mining & Refining (1944) Ltd., Ottawa, Ontario, Canada.



Dept. T-6, U. S. Radium Corp., 535 Pearl Street, New York 7, N. Y.

() Please send me your bulletin describing the Ionotron Static Eliminator.

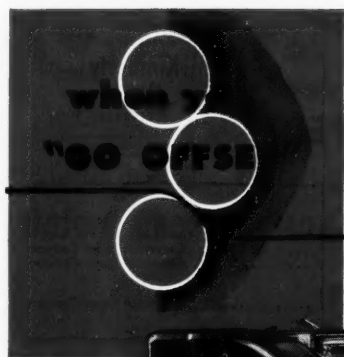
() Attached are details of the static problem(s) I am interested in eliminating.

Name.....

Title.....

Company.....

City..... Zone..... State.....



...You'll be off on the right foot
with a HARRIS 17x22



HARRIS 17x22

SINGLE COLOR OFFSET PRESS

*speeds up to
7000 an hour*

YOU CAN'T MAKE A BETTER START in the offset business than with a Harris Offset Press.

Harris presses are built to help the owner who wants a combination shop, or a straight offset shop, to get off on the right foot. Features such as the single-point press control, simple adjustment for stock thickness, quick-acting plate clamps, automatic, four-way protection, positive controls, mean simpler, easier press operation. *Stream feed* insures finer register, makes possible faster speeds. *More rollers* mean greater ink break-up, smoother inking. All these are features that make possible more impressions . . . better impressions . . . greater profits.

So when you go offset . . . as you probably will some day soon . . . get started right . . . Go Harris . . . get a better run for your money.



WITH HARRIS STREAM FEED (illustrated above) there is no bounce, no dented edges. Four full-size sheets are moving down the feed table, ready for their turn at register. The lead edge of the second sheet is only $7\frac{1}{2}$ inches away from the front guides when the first sheet is being taken by the grippers. All following sheets move up to register in this order, allowing more time for register at faster press speeds.

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Buffalo.....Hubbs & Howe Company
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New York.....Bulkeley, Duntun & Co., Inc.
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New York.....J. E. Linde Paper Company
New York.....A. Price & Son, Inc.
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Rochester.....Paper Service, Inc.
Syracuse.....Paper Service, Inc.
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Cleveland.....The Petrequin Paper Company
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155 Sansome Street, SAN FRANCISCO 4

8 South Michigan Avenue, CHICAGO 3
22 Marietta Street, N. W., ATLANTA 3

*T. M. REG. U. S. PAT. OFF.

Before choosing any printing paper . . .

*Look at Levelcoat**



Illustrated here is a typical use of Levelcoat*, not an actual booklet

**Look at Levelcoat...
for brightness**

It sparkles with brightness to the very fiber! Yes, that's literally true of Levelcoat* printing paper—for the luster of Levelcoat begins with a blend of "brightness" fibers in the pulp itself. And over this basic body whiteness is a bright, white-coated surface which brings out all the brilliance in your finest printed piece—gives it the Levelcoat lift.

**Look at Levelcoat...
for smoothness**

Like a gorgeous gem against a lovely throat, your fine color printing glows on smoother Levelcoat paper. For the full, fine-textured surface of Levelcoat is a product of clays especially chosen for their soft "face powder" quality. And at Kimberly-Clark a special process controls the "flowing on" of this surface to a point of fine precision.

**Look at Levelcoat...
for printability**

In setting the price to the advertiser and the profit to the printer, press time is a dominating factor. Thus it is that both buyers and producers of printing like the smooth, dependable printability of Levelcoat. Try this fine coated paper on your next printing job. Enjoy the trouble-free production of uniformly beautiful work, at the peak of press efficiency!

IT PAYS TO LOOK AT LEVELCOAT

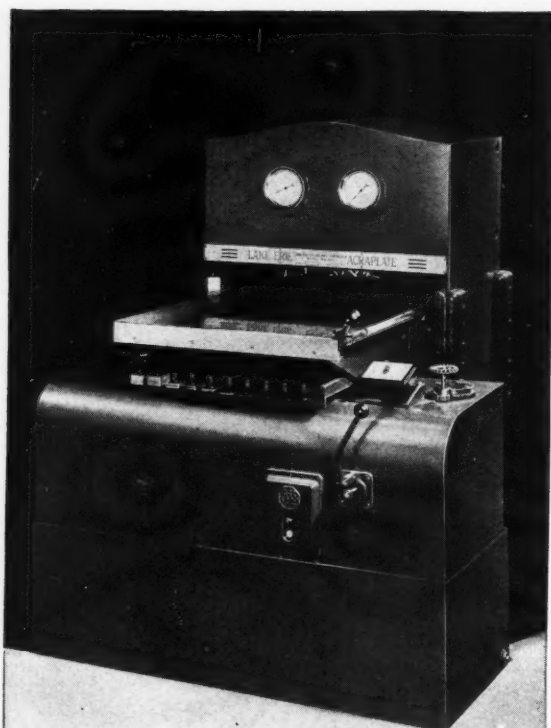


Levelcoat* printing papers are made in these grades: Trufect*, Multifect* and Rotofect*.

*T. M. REG. U. S. PAT. OFF.

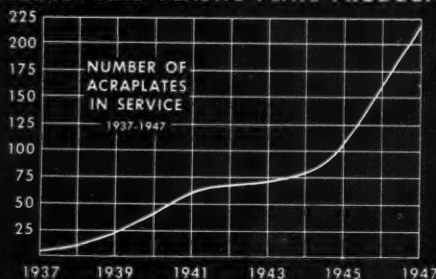
KIMBERLY-CLARK CORPORATION, NEENAH, WISCONSIN

Please Mention THE INLAND PRINTER When Writing To Advertisers



ACRAPLATE

FOR RUBBER AND PLASTIC PLATE PRODUCTION



Leading Plants are Installing them at the Fastest Rate in History

There's a good reason why so many leading plants in the United States and abroad are installing ACRAPLATES today. The equipment itself...the rubber and plastic plates it produces...permit the increased production and lowered costs so important today and for the future. Write for Bulletin 241 and complete details.

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ENGINEERING CORP.
BUFFALO, N.Y. U.S.A.

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Engineering Corp.

504 Woodward Avenue
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● Leading manufacturer of hydraulic presses—all sizes and types—stereotyping...plastics molding...processing...rubber vulcanizing...metal working...forging...metal extrusion...special purpose.

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papers

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WIS.: Bower Paper Co.; Wisconsin Paper & Products Co.; Woelz Bros.



BILLION-DOLLAR SWEET TOOTH

To satisfy the nation's sweet tooth this year, the candy industry must produce more than 2.6 billion pounds. The per capita consumption will be around 18 pounds, and more than a billion dollars should be rung up in sales.

In a sense, paper is as essential to the candy industry as sugar; and the variety of papers used in the making and marketing of candy in boxes, bars, and bulk is as great as the variety of candies in the most toothsome assortment of mints and marshmallows and chocolates and bonbons.

The candy industry is a sweet advertiser and

a sweet merchandiser, and that means papers in big volume for packages and packaging, point-of-sale displays and advertising . . . and *that* means, of course, a heavy demand for Mead Papers of the Mead, Dill & Collins, and Wheelwright lines, "the best buy in paper today."

★★★ *Mead offers a completely diversified line of papers in colors, substances, and surfaces for every printed use, including such famous grades as Mead Bond; Moistrite Bond and Offset; Process Plate; Wheelwright Bristols and Indexes; D & C Black & White; and Printflex Coated Papers.*



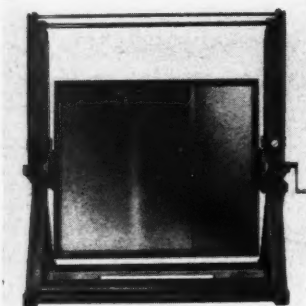
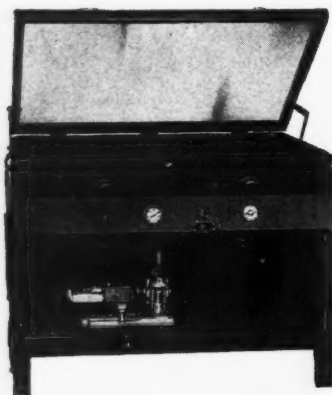
MORE THAN ONE HUNDRED YEARS OF PAPER MAKING

THE MEAD CORPORATION • "PAPER MAKERS TO AMERICA"

The Mead Sales Company, 230 Park Avenue, New York 17 • Sales Offices: Mead, Dill & Collins, and Wheelwright Papers • Philadelphia • Boston • Chicago • Dayton

For Items Not Advertised, Write THE INLAND PRINTER'S "Readers' Service"

Are you contemplating OFFSET OR PHOTO-ENGRAVING PLATE MAKING



If so, it will pay you to investigate the modern up to date Douthitt Products. Cameras complete, Vacuum Printing Frames, Plate Whirlers, Contact Printers, Temperature Controlled Sinks for processing negatives, Camera and Lens Controls, Silvaloy Silver Bath Holders, Plate Developing Sinks, Ink-Up Tables and Plate Coolers—everything for the Plate Making Department, including chemicals and supplies.

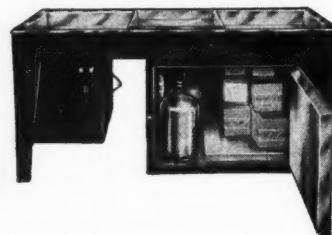
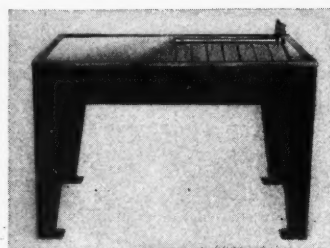
Designers and manufacturers of "Plate Making Equipment" for Lithography, Photo-Engraving, Photo Gravure, Templates, Silk Screen process and kindred arts.

We are always striving to make the most efficient and economical products for each individual operation.

Send for our catalog and look over our products before deciding to purchase any other.

*Manufacturers of .
High Grade Plate Making Equipment
For More Than 30 Years*

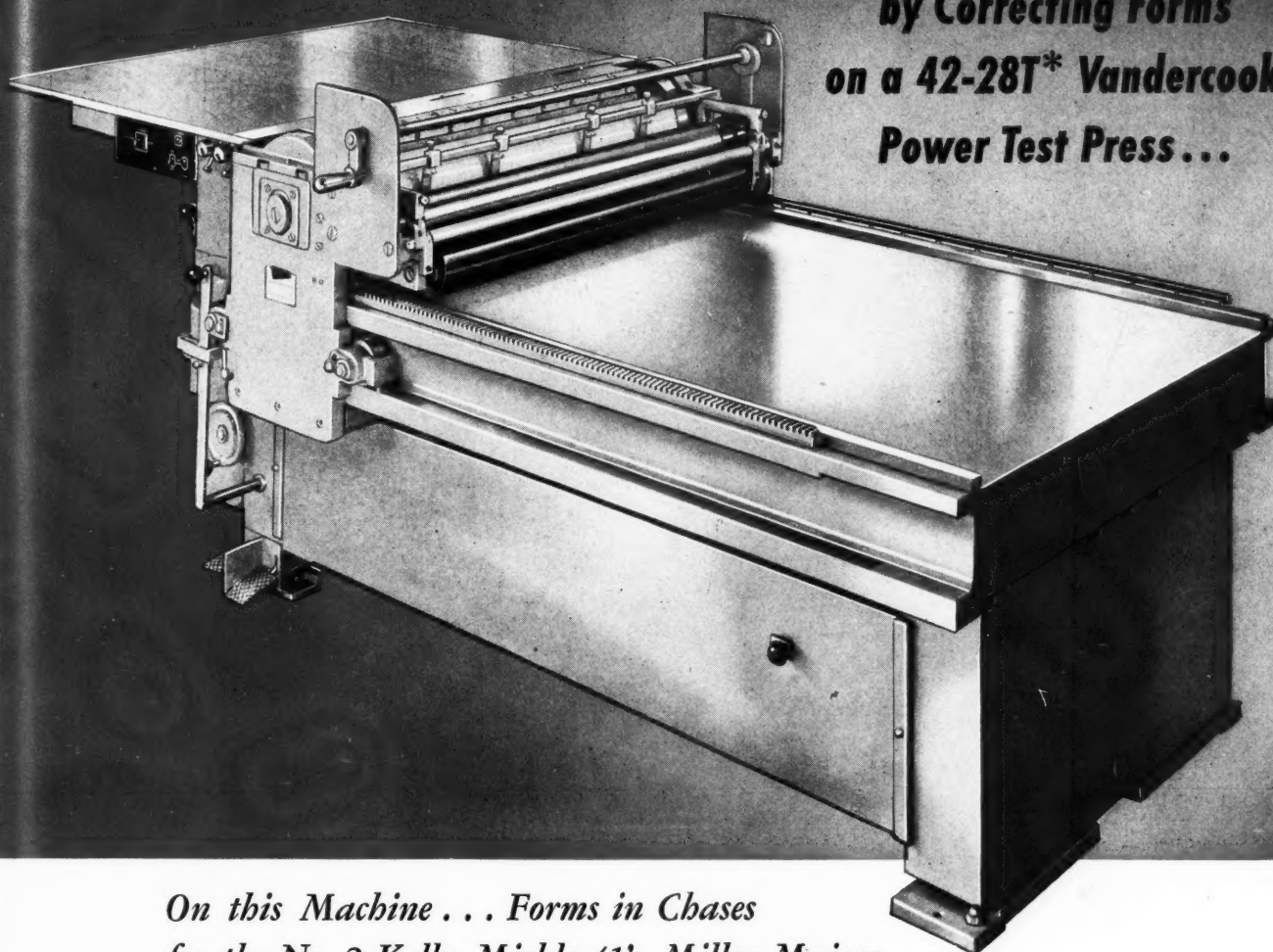
THE DOUTHITT CORPORATION



680 EAST FORT STREET, DETROIT 26, MICHIGAN

GET MORE VOLUME... REDUCE MAKEREADY TIME

*by Correcting Forms
on a 42-28T* Vandercook
Power Test Press...*



*On this Machine... Forms in Chases
for the No. 2 Kelly, Miehle 41's, Miller Majors
and smaller flat bed presses can be Registered, Lined-up and Corrected*

In almost every plant of medium size and larger, many valuable hours of makeready time can be saved by the proper preparation of all forms locked in chases on this power operated, precision machine—*before* placing them on production presses. The time consumed on "pre-press" functions represents many costly man-hours and machine-hours—and most of

the operations could be done more efficiently and economically on a Test Press. In addition, the 42-28T will also provide a means for supplying customers with advance color proofs—using the same ink and same stock as on the finished job. Write for further information regarding the Vandercook Pre-Press System... addressing your letter to our general offices.

* One of fourteen Vandercook Proof Presses sold exclusively in the U.S.A. by Vandercook & Sons, Inc.
Eight other models are sold exclusively by American Type Founders

VANDERCOOK  **& SONS, INC.**

General Offices: 900 North Kilpatrick Avenue, Chicago 51, Illinois

Chicago Display Room
630 South Dearborn Street

Eastern Branch
216 East 45th St., New York 17, N.Y.

Western Branch
1151 S. Broadway, Los Angeles 15, Calif.

In Canada... SEARS LIMITED... Montreal, Toronto, Winnipeg, Vancouver



I will honor Christmas
in my heart,
and try to keep it all the year.

—Charles Dickens

*The Leading Business and Technical Journal in the
Printing and Allied Industries*



Xerography—New Method Of Reproduction—Arouses Interest in the Graphic Arts

By **Ranald Savery**, NEW YORK EDITOR

● **PRINTERS** in New York and Detroit didn't plan to scrap their current equipment immediately after they heard about the demonstrations of "Xerography," but the new process aroused its full share of interest. Undoubtedly its progress will be watched with sharp attention, particularly because the principles embody a new method of graphic reproduction. No ink is used, and there is no actual printing impression, although there is a transfer of reproduction substance (specially-prepared powder) from plate to paper.

Xerography was recently given its first public demonstrations in New York and Detroit under authoritative auspices. The Battelle Memorial Institute, Columbus, Ohio, has been conducting development research on the process since 1944. Commercial marketing rights are owned by the Haloid Company, Rochester, New York, which is sponsoring much of the Battelle research. Coincidentally with the demonstrations it was announced that the U. S. Army Signal Corps also was sponsoring "further research with respect to possible application in the field of military photography."

The inventor is Chester F. Carlson, a patent attorney in New York. He is said to have discovered the principles of Xerography (a word coined from Greek language derivations meaning "dry writing") when he was attempting to devise a simple,

inexpensive method of making reproductions of invention plans for patenting purposes.

First commercial adaptation of the process, according to Joseph C. Wilson, president of the Haloid Company, will be in the form of an office copying machine. The company expects to place such a machine on the



Dr. R. M. Schaffert, left, and C. D. Oughton, of Battelle Institute, are in charge of research being conducted to develop the commercial possibilities of xerography. Here they discuss problem in compounding a developing powder

market within a few months. Major emphasis at the public demonstration in New York was on this phase of Xerography, although a laboratory model of a "Xeroprining" press was operated.

Basis of the process lies in electrostatic principles. In noting its distinction from other reproduction methods, it is termed "dry" and "physical," rather than utilizing

inks or chemicals. Transference of the reproduction image is achieved through photo-conductivity and what is called "triboelectric effect." The former is the ability of certain insulating materials to become electrically conductive when acted upon by light; the latter is the electric attraction which exists between two dissimilar materials in contact.

Main steps in the reproduction process are as follows: First, an electrically conductive plate is sensitized. It is exposed photographically to the copy, picking up the latent image. The image is then made ready for reproduction by pouring special powder over the plate, the powder adhering to the image. The print is made by laying a sheet of paper over the plate and applying a positive charge, the sheet attracting the powder from the plate in the exact form of the image. The print is fixed on the paper by a few seconds of heating which fuses the powder to the paper. The entire operation requires only forty-five seconds or less.

Working equipment consists of a camera or contact printing frame; the sensitizier—a low stand which slides the plate under the charging apparatus and is also used in making the print; and a simple box that is tilted manually to pour the powder over the plate.

Here is the way it works in detail:

The plate consists of an electrically conductive backing material



such as metal sheet or foil. (Aluminum was used at the demonstration.) The plate is made sensitive to light by charging it electrically. It is exposed to the copy in a camera, under a projection lens, or in a contact printing frame. Wherever light strikes the plate, the coating becomes conductive and discharges. On the places where the light is obscured by the copy, the surface charge remains, thus producing a

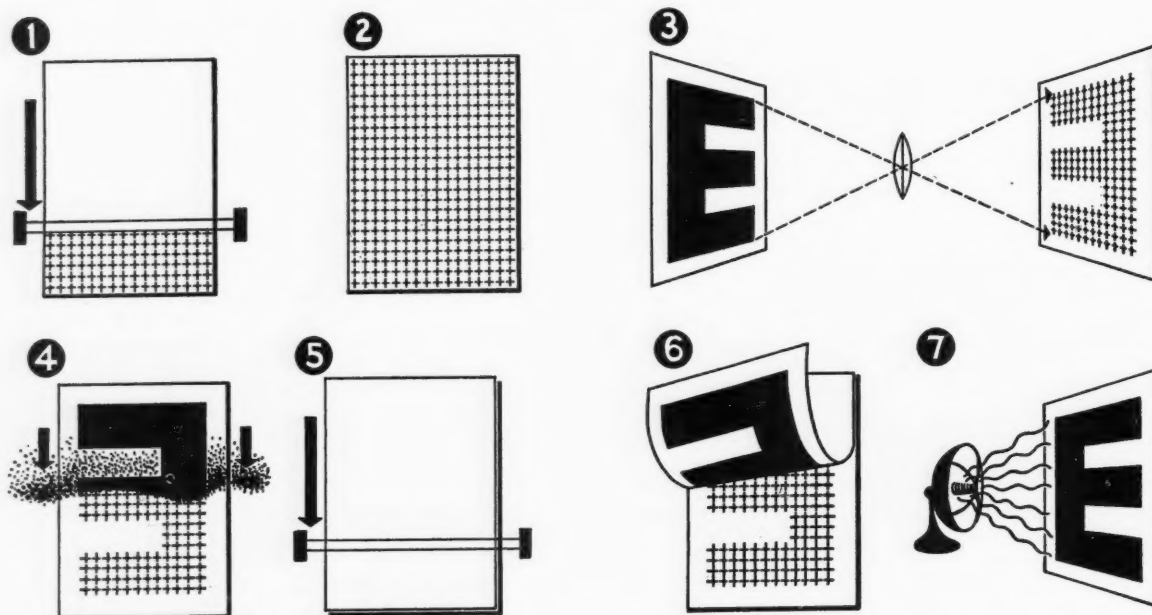
placed in the sensitizer. The paper is charged, and the powder relinquishes its affinity for the plate adhering to the paper in the exact form of the image. The print is then fixed to the paper by a few seconds of heating under infra-red lamps, in an electrical oven, or with heated platens. The fixing requires only a few seconds.

It is obvious that the process as thus described has little practical

is necessary for the plate to hold a permanent latent image. This has been accomplished with laboratory models of the Xerotyping press.

Press Is Lightweight

The press, as demonstrated in New York, is a compact, lightweight machine about the size of a proofing press. It is roll-fed, the paper making contact with the image-bearing plate, which is fastened



HOW XEROGRAPHY WORKS:

1. Surface of specially coated plate is being electrically charged as it passes under wires.
2. Shows coating of plate charged with positive electricity.
3. Copy (E) is projected through lens in camera. Plus marks show projected image with positive charges. Positive charges disappear in areas exposed to light as shown by white space.
4. A negatively charged powder adheres to positively charged image but not to surrounding area.
5. After powder treatment (Figure 4), a sheet of paper is placed over plate and receives positive charge.
6. Positively charged paper attracts powder from plate forming direct positive image.
7. Print is heated for a few seconds to fuse powder and form permanent print.

latent electrical image on the printing plate.

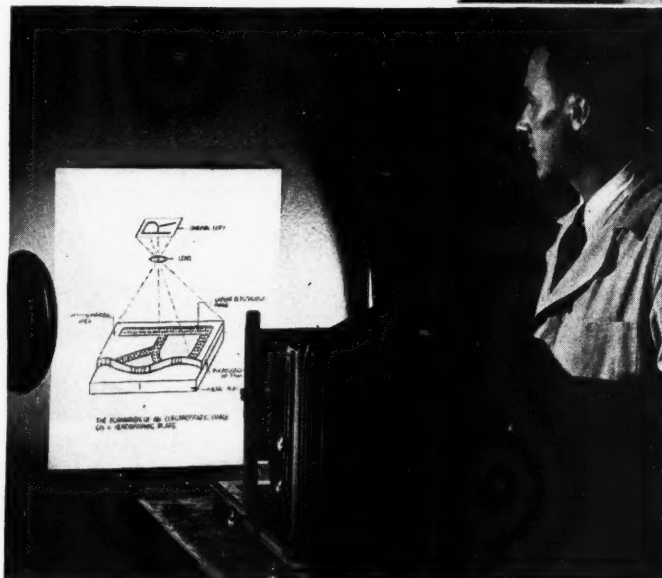
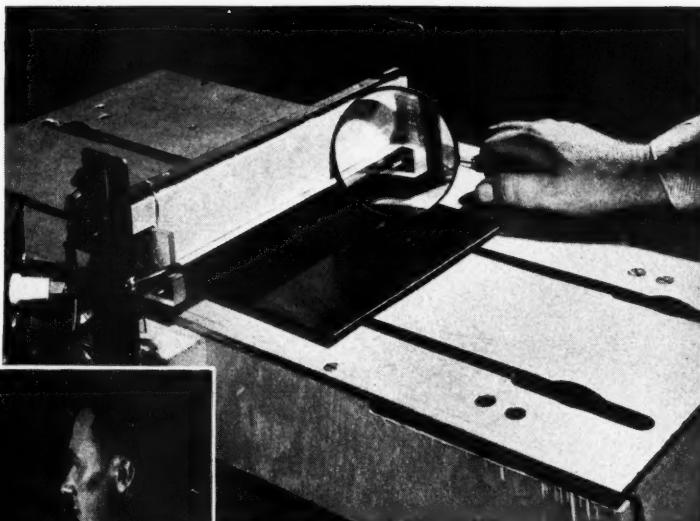
Next step is the developing with the powder, a compound of a coarse carrier material and a superfine developing resin. The powder is flowed over the plate by tilting the box back and forth, is attracted to the charged image portions, and adheres tenaciously in the exact form of copy.

The printing is accomplished by laying the sheet of paper over the powdered plate after it has been re-

lation to commercial printing. The theory, however, has been projected into the realm of multiple, high-speed reproduction by means of one chief difference in the preparation of the image plate. Xerography as outlined above is, of course, a one-copy operation. For each additional print, the plate must be re-charged, and the copy again transferred as an image to the plate, before the developing and reproduction occurs. For multiple, high-speed printing, it

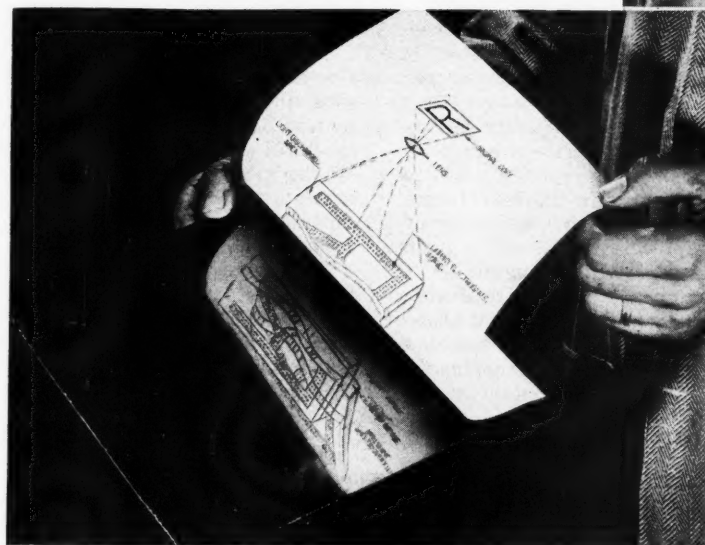
around a revolving cylinder. It is geared to deliver 600 to 1200 feet a minute. All the steps of sensitizing the plate, developing the image with powder, and transferring the reproduction image to the paper, are carried out automatically with each revolution of the cylinder. The heat-fixing step, which seals the image to the paper, was not operating on the press at the demonstration, but this also will be included in the finished product.

RIGHT: This machine is the only specialized apparatus required for Xerographic reproduction. It is used both to sensitize the plate and to transfer the powder image from the plate to paper. Termed a "corona spray apparatus," it "sprays" electrons from the fine wire visible through the enlarging glass. When a plate is passing under the wire on the carrier belt, as shown in this picture, the electrons create an electrostatic surface charge. When a developed plate superimposed with a sheet of paper is passed under the wire, the image is transferred to the paper. Sharpness and legibility are about equal to a medium-quality mimeograph job. Xeroprinting presses are not on the market and will not be in the near future. The dry process of printing demonstrated is only in its initial stages of development



LEFT: The Xerographic plate is exposed photographically to the copy, picking up the latent image. The plate may be exposed in a camera under an enlarger, or in a contact printing frame. Light striking the surface of the plate causes it to lose its electrostatic charge, leaving behind a pattern of electrons corresponding to the image pattern. In this photograph a technician is preparing to make a reduction of a line drawing. First commercial adaptation of the process, by the Haloid Company, will be an office copying machine

RIGHT: Following exposure, the plate is developed by flowing developing powder across its surface in a rocking tray. Powder is a coarse carrier material and a superfine developing resin. Oppositely charged particles of developer are released from larger carrier bodies and become attached to the image areas, but do not adhere to the surrounding areas. Simple box is tilted back and forth by hand to pour the powder over the plate. A similar "triboelectric" technique is used to clean plates before sensitizing

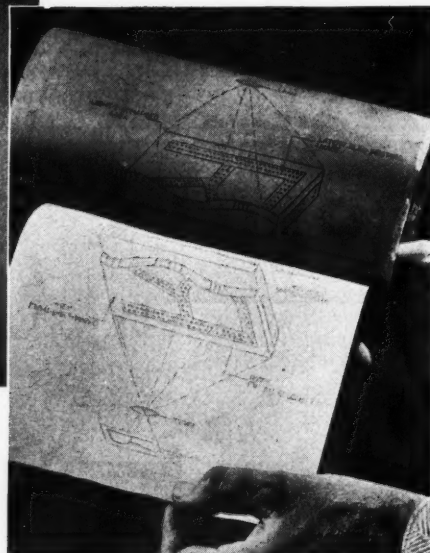


LEFT: Xerographs may be made on any type of paper, on wood, glass, metals, or other materials. In the picture the technician is stripping the transferred print from the plate. Heating the print will fuse the powder to the paper and make the image permanent. This is a one-copy operation. Plate must be re-charged for each additional print and the copy again transferred as an image to the plate. For high-speed printing (up to 1200 web feet per minute), plate is made to hold permanent latent image on laboratory models of Xeroprinting press



RIGHT: Xerography offers an economical method for preparing plates for offset and letterpress, offset duplicator plates, and photoengravings. Several methods may be used in making printing surfaces; the simplest is shown here. The technician is preparing a zinc offset duplicator plate. A powder image on a sheet of paper has been transferred to the zinc plate electrostatically and the paper is being stripped from it. Residual image on the paper represents an excess of developing powder and will not lessen the intensity of the printing surface. Next step is to fuse the powder image to the plate, after which it is ready for use

LEFT: Dry printing is one of the potential uses of the process. With this experimental machine, engineers at Battelle Institute have already achieved a press speed of 1200 web-feet per minute. Chief advantages of Xerotyping will be the light weight of printing machinery and the simplicity of platemaking. Since the image is transferred from plate to paper electrostatically, no pressures are required. The use of "dry powder" eliminates drying and offset problems



The distinction between Xerography and Xerotyping lies in the making of the image plate, in order to avoid the step of exposing the original copy for each impression. For presswork, the image plate does not employ the principle of photo-conductivity. Instead, the plate consists of an image cast from copy to an electrically insulating material on an electrically conductive backing, such as a metal sheet. This plate, it was stated, can be made either by conventional photo-mechanical processes or by Xerography.

Plate Curved Around Cylinders

The plate is fastened around the press cylinder. Connected to the cylinder are devices for carrying out each step of the reproduction process. As the machine starts, the cylinder carries the plate first under a corona discharge device, where the charge passes off the conductive or non-printing surfaces but remains on the insulating or printing surfaces. Next, the plate is carried into a developing chamber where the powder is cascaded against it, ad-

hering to the charged image portions of the plate. At this point in the revolution, after leaving the chamber, the plate comes in contact with the paper. Both pass under corona discharge points, where the powdered image is transferred to the paper, and the plate, with the latent image remaining on it, is re-charged for the next revolution. The printed paper passes along to a heating unit which fuses the powder and fixes the image.

Reproduction samples run off by the press at the New York demonstration, were not calculated to arouse the envy of a good pressman. Sharpness and legibility were about equal to a medium-quality mimeograph job. No pretense was made by sponsors that Xerotyping will be on the market in the near future. The demonstration was merely offered for what it was worth in its initial stages of development.

Continuous tone reproduction likewise is still in its initial phases of development. The first machines to be marketed for office copying will reproduce line work and text matter

only, it was stated. An experiment in tone work and direct photography was conducted at the New York demonstration. One of the demonstrators sat for his portrait, the picture was immediately transferred to a Xerographic plate and the reproduction made—all in the space of forty-five seconds. (At the Detroit demonstration, it was done in thirty-eight seconds.) The finished result was recognizable but far from perfect.

Powder Can Be Dyed

Single-color reproduction is possible and practical. Dye can be mixed with the developing powders to achieve desired color print. Multi-colored line work in office copying can be accomplished by making a separate plate for each color, and running off separate impressions of as many colors as desired.

Transference to materials other than paper, such as wood, metal, glass, or cloth for decorative purposes, is expected to be another major point in the commercialization of Xerography.

PHOTOGRAPHS COURTESY OF BATTELLE INSTITUTE AND THE HALOID COMPANY

THOMAS E. DONNELLEY AWARDED CERTIFICATE OF MERIT BY THE PIA

● PRESENTATION of a testimonial honoring the accomplishments of Thomas E. Donnelley in the graphic arts industry was one of the highlights of the convention of Printing Industry of America in Chicago this fall. The testimonial was in the form of an engrossed illuminated scroll (13 by 17 inches) which was mounted on a walnut plaque.

Carl E. Dunnagan, new president of the PIA, made the presentation speech at a banquet during the convention. Mr. Donnelley, chairman of the board of R. R. Donnelley & Sons Company, accepted the token with thanks, remarking that he had always tried to be a good printer and



From left to right (front row): Gaylord Donnelley applauds as Thomas E. Donnelley, chairman board of R. R. Donnelley & Sons Company, receives scroll from Carl E. Dunnagan, president of PIA

to always operate a printing establishment which was good.

Mr. Donnelley concluded his remarks by giving the table a vigorous whack with the speaker's gavel.

Those in his audience arose spontaneously when he finished—giving him an unforgettable ovation.

The scroll reads: "To Thomas E. Donnelley: You have long been recognized as one of the outstanding leaders of our industry.

"It is our privilege to give recognition to your pioneering and your continuing interest in developing new and improved manufacturing techniques, better standards of craftsmanship, educational activities, sound cost-finding methods, good customer relations, fair and ethical competition, support of organization efforts, and constructive programs for the improvement of conditions in the printing industry and your active participation in civic affairs—all of which have earned for you and your company a well merited, world-wide reputation.

"Printing has become a better and more respected business because of the vision and achievements of men like you.

"As a token of appreciation for your accomplishments, The Printing Industry of America, Inc., the national association representing the commercial printing industry of the United States, by unanimous declaration of its Board of Directors, awards this testimonial expressing the admiration of fellow printers."

The scroll is signed by Carl E. Dunnagan, Donald L. Boyd, past-president of PIA, and James R. Brackett, general manager.

Mr. Donnelley's father, R. R. Donnelley, with his friend Andrew McNally and others, was one of the founders in 1887 of the United Typothetae from which PIA was formed three years ago.

At left: Illuminated scroll mounted on walnut, presented to famous Chicago printer by the PIA

To
Thomas E. Donnelley

You have long been recognized as one of the outstanding leaders of our industry.

It is our privilege to give recognition to your pioneering and your continuing interest in developing new and improved manufacturing techniques, better standards of craftsmanship, educational activities, sound cost-finding methods, good customer relations, fair and ethical competition, support of organization efforts and constructive programs for the improvement of conditions in the printing industry and your active participation in civic affairs—all of which have earned for you and your Company a well merited, world-wide reputation.

Printing has become a better and more respected business because of the vision and achievements of men like you.

As a token of appreciation for your accomplishments,
The Printing Industry of America, Inc.
the national association representing the commercial printing industry of the United States, by unanimous declaration of its Board of Directors, awards

THIS TESTIMONIAL
expressing the admiration of your fellow printers.

presented at the Sixty-Second Annual Convention,
Chicago, Illinois, this 22nd day of October, 1948.

Attest:
James R. Brackett
General Manager
Carl E. Dunnagan
President 1948-49
Donald L. Boyd
Past President 1947-48

Dunnagan Suggests Using New Equipment And Methods to Increase Printing Volume

● THE ROLE of the prophet is now a tarnished one. A man who dares to predict on a basis of scientific testing has little honor today. How much more risky it is then to predict on the basis, as the lawyers say, of information and belief. As the president of Printing Industry of America, and as one who wants to protect his industry's reputation for sound judgment as well as one who is conservative by nature, I must refuse to offer any firm predictions about the future of the printing industry.

However, I think it is quite proper for me to set some reasonable goals for printers and to suggest ways of reaching these goals, without being accused of making the wish the father to the thought. A consideration of the history of our industry indicates that so long as the physical volume of printing is increasing, the industry is in a healthy condition irrespective of its price structure.

Increase Volume of Printing

This does not mean that we should sacrifice profitable production for volume. What it does mean is that when there is a rising demand for printing the questions of profitable production and equitable price have a way of taking care of themselves. In general, of course, the price of printing is related to the cost of producing it. Neither printing nor anything else will be produced at a loss for very long. But after the general price level has been set by the cost of production a high demand has a tendency to bring about a longer profit. From this I conclude that the major job of Printing Industry of America and of the printing industry, stated in one sentence, is: "We must carry on a continual and vigorous effort to increase the physical volume of printing."

I take my text from the basic resolution on inflation, costs, and prices passed by the Printing Industry of America at its recent convention:

Whereas, Printing Industry of America, Incorporated, recognizes that the welfare of the printing industry is dependent upon its ability to produce and distribute printed materials at reasonable prices, and

Carl E. Dunnagan, president of Printing Industry of America, tells printers they must concentrate during the next year on efforts to increase their volume and reduce costs and prices. In this address on problems of management given before the graphic arts conference sponsored by the Printing Industries of Philadelphia he says gains of labor will arise only from increase in production and lower unit cost

Whereas, the price of paper and other materials, the price of equipment and the cost of labor have all continued to increase sharply, thus aggravating the problems of inflation and running counter to the interests and desires of the printing industry;

Now therefore be it resolved, that there be consultation with other users of paper and with those who make and sell paper with the objective of developing programs to avoid any further increases in prices and to explore possible improvements in trade relations or practices, and

Be it further resolved that similar efforts be directed toward the machinery field, and

Be it further resolved that procedures be developed to aid in the stabilization of labor costs and to obtain increased productivity in all branches of the industry, and

Be it further resolved that emphasis be placed in research projects which will bring about immediate improvements in machinery, materials, and manufacturing procedures. To this end, it is urged that the maximum co-operation of the printing equipment manufacturers, the United States Government Printing Office, and printing research groups be obtained, and

Be it finally resolved that reduction in the cost of producing printing shall be a major objective of Printing Industry of America, Incorporated, during the coming year.

In accordance with this resolution, our effort will be made along many lines. With respect to machinery, it means that we must be research-minded, efficiency-minded, economy-minded, that we must be

prepared to make the investments in equipment which will increase the efficiency of production and lower unit costs.

With respect to labor, it means that we must somehow make our employees understand that for their protection as well as our own, the price and cost of printing must no longer rise. The next few years should be years of consolidation in which the gains of labor will arise from increases in production and productivity and not from increases in price which will have a deadening effect upon the market for our products.

It means, with respect to materials, that we must say to our suppliers that they too have a responsibility to hold down the price level and not to force us to pass on to our customers costs which reduce the incentive to purchase printing.

Seek to Broaden Market

It means, with respect to sales, that we must continually seek to broaden the market for printing, to find new uses for the printed word, new means of using printing to communicate ideas among people, new schemes for the use of printing in sales and sales promotion, and new products which can be made with equipment of the industry.

The recognition of the need to increase physical volume of printing and the economic pressure engendered by the rising costs of printing are stimulating printers as never before to find faster and cheaper ways to print. And printers in turn are stimulating the manufacturers of printing equipment. In the next year, you will see some of this pressure take effect. Through Printing Industry of America, we are making concrete proposals for specific new types of machinery to be made, and we are saying to our present machinery manufacturers, "Please do this for us." We hope they will, for they have the largest present stake in the industry, but no vacuum can remain that way very long, and if the improvements we need are not forthcoming from our present machinery builders, it's perfectly ob-

vious that some new manufacturers will enter the field in order to get a share of the several hundreds of millions of dollars for capital funds which are available for investment in new machinery.

Equipment manufacturers have long complained that printers didn't respond when manufacturers asked what they wanted. But now the manufacturers can no longer say, "Printers don't know what they want, so we can give them what we think they want."

Already the leaders in the printing industry are using new production machinery and methods as fast as they can be proved and installed. This presents to the vast majority of the industry, who are essentially small business men with limited capital, a special kind of challenge. The limitations of size prevent experimentation and make capital investment in new equipment an exceedingly risky venture. But unless they too are prepared to take some risks in the interest of increasing the volume of printing, they will be in danger of being still wedded to older less efficient methods while competitors have adopted newer and more efficient methods. It seems clear that all printers, large and small, may have to take some risks in the coming period in order to place themselves in a position to obtain increases in the physical volume of their work. New processes and new ways of setting type and making plates are a reality.

Policies Too Conservative

Our problem is not that of research and technology alone. The big issue is how management adapts itself to these new developments. Life might be a lot easier if every printer knew that his business could be stabilized on the basis of present equipment. If a firm which owned conventional line-casting machines knew that it would not have to replace these machines to meet competition, it could be quite smug. But this is idle whimsy. We can't stop progress. We must adjust to what will happen. We must not think of ourselves as men tied to a particular set of machines; we must think of ourselves instead as business men who are in printing, and who are, therefore, devoted to helping people communicate through the printed word with other people in the most efficient way.

We must be prepared to step in with our capital and operate whatever industry services are required by our customers. On this point, I

recognize that one of the problems of small business is the difficulty of accumulating sufficient capital to be flexible in its investment program. The very large company in chemistry or steel or electric manufacturing or printing makes enough profit to maintain sufficient reserves or can get sufficient new capital when it needs to jump quickly into new capital investments when business judgment indicates the need.

I think we have been entirely too conservative in our profit and reserve policies, and this has prevented us from accumulating the funds



The press is the
exclusive literature
of the millions;
to them it is literature,
church, and college.

—Wendell Phillips



which we need to enable us progressively to reduce our costs, through better methods and new investments, and thereby to maintain lower prices and increase the volume of our production. I recognize that to many business men this seems to be a paradox.

I say to you: Make and keep larger profits and reserves; and at the same time, I say to you this will enable you to reduce prices and increase production through investment in better methods. Actually there is no paradox here. If we had had this for thirty-five years or twenty-five years instead of only during the past few years, the so-called revolution in printing methods would have come long ago. I am sure that there are men in this room of whom it could be said that they are married to their machinery and methods in the same way as it can be said of the poor storekeeper that he does not sell anything because he loves his merchandise too well. I am sure there are men in this room who have been willing to pay skilled men high wages to produce work on a semi-custom basis which could have been produced on a factory basis by breaking down the operation

through semi-skilled operators. Perhaps this grows out of our love of craftsmanship, but I can assure you that this love won't do any good when more businesslike competitors meet the demands of the market through better methods.

And still another version of the same point. Quite apart from the rising prices of equipment, it is evident that bigger and faster equipment, which costs more to install, may produce more at lower prices. But such equipment involves a larger investment of capital per man. The conservative printer historically has resisted investment in machinery, recognizing that so long as he makes a profit on the labor he uses and does not invest too large an amount in machinery, he retains operating flexibility and can restrict his losses.

I should like to point out to you that the figures on capital investment per man in the printing industry are rising sharply and that in those plants which have been most successful, they have risen most sharply. This indicates that some companies in the printing field, in their desires to produce more printing at lower costs, are making the capital investments of dollars rather than pay a much higher premium in the form of continuing labor costs.

This industry will more and more be competing for the communications dollar. We may regret the need for re-equipping our plants but we must recognize that re-equipping is going to help stabilize our labor costs and place our industry as a whole in a position to compete for the communications dollar.

Costs Out of Proportion

The price of printing equipment and wages have both increased out of all proportion to increased productivity of machines or increased production per man hour. Improved technology will be cheap at any price if it increases productivity to a level commensurate with higher equipment, materials, and labor costs. Improved technology, leading to production of two, three or four times present production, is the only possible major solution to the problem of paying high wages and still printing at a profit without pricing the product out of the market.

Here is a concrete example of what I am talking about: A leading national magazine publisher pays its pressmen nearly three times the rate prevailing in 1921. During this twenty-seven year period the company increased its production (circulation) manifold and at the same

time reduced the per thousand-reader cost to advertisers from \$7.12 to \$3.12 a page.

This was possibly only because the company had the financial ability and the managerial foresight to spend \$350,000 each for presses seven years ago, compared with \$9,100 for presses in 1921. But the production of the \$350,000 press is eight times as much per man as the \$9,100 press was (the company had 180 men in the pressroom in 1921; has 685 today).

The company would gladly pay \$600,000 for a new press today if one were available which would triple the production of the \$350,000 press.

As printers individually, we have a tremendous responsibility toward our businesses to analyze our planning and investment programs carefully at this time. Management must make a sound adjustment to the needs of its customers and to the opportunities presented by new methods. Management which does will continue in the industry, be in a strong position, and have cleared the road toward a broader horizon for the printed word.

Effects of Cost of Labor

I should like to deal briefly with the subject of labor. While Printing Industry of America, as such, has no labor policies, all printers, whether open shop or union shop, must think of the effects of various labor developments upon the industry. The rising cost of living, the changes in the character of labor leadership, and probable changes in labor legislation, all have their effect on the outlook of our industry. We cannot think of the price of printing without thinking of the cost of labor; we cannot think of the productivity of our plant without thinking of the efficiency of labor. We cannot think of the continuity of production without thinking of the supply of labor that is available.

Our employes must understand that for their protection, as well as our own, the cost and price of printing must no longer rise. I think we can say to the representatives of labor in the printing industry that the next year should be a year of consolidation. We should be able to say that now is the time to re-evaluate the labor-management situation in printing.

If there is strife in this industry it will hold us all back, but if labor and management can freely discuss the problems of the industry and of employment within the industry it

should be possible to work out an agreeable solution. The industry, we can honestly say to labor, must have in the next year and succeeding years a stabilized labor condition to permit the volume of printing to grow, the cost of printing to stop rising, and the real earnings of printers and their employes to be maintained or improved.

Our industry is proud of the fact that its employes are first in earnings of any major industry. We feel,



CARL A. DUNNAGAN

however, that the only sound and secure basis for maintaining this leadership is a stabilized price structure and a falling cost of production. Security and harmony in labor relations during the next year will make it possible for management in both open and union shops to consider the other problems which are controlling in the outlook of our industry.

We are fortunate as an industry that the effect of newer and better methods will be favorable to labor. As the president of our Union Employers Section said to the convention of the International Typographical Union in Milwaukee last August, "Just as there are more men by far employed today in composition work than before line-casting machines were introduced, so can there be greater and greater opportunities in this field in the future, as new developments in production and economies widen the market opportunities for printing.

"Do you know that if the whole United States produced as much printing per capita as the state where you are now meeting you would need twice as many members in the ITU as you now have to take care of the work?"

It is clear that the future of the employes in the industry as well as the employers lies in our being aggressively progressive during the coming period.

What about the market for printing and what can we do about it? The total market of the American printing industry has never been satisfactorily calculated or even explored. We do know generally that so-called commercial printing includes all printing of magazines, books, direct mail and booklets, and the whole field of functional and utility printing. We know that it also includes numerous specialties and that specialty printed items are being developed all the time, each of which represents substantial sales for many companies. But we do not as yet know the saturation point. I venture to say that there is no calculable ceiling, no printing buyer who would not like to buy more printing if it were financially possible for him to do so.

Factors Affecting Sales

There are obviously two principal factors affecting the sale of printing. These are spendable income and cultural and educational levels. From both of these standpoints the printing industry is on fairly solid ground. Spendable income is being maintained and the long time rise in educational standards is a healthy condition for our industry. The printing industry knows that the economic level of the people moves up with the educational level, that expenditures for cultural materials including magazines, books, and all printed materials take a proportionally higher share of the budget as income goes up. Furthermore, irrespective of the economic level, expenditures for cultural materials go up as education rises.

The growing interest of American people in education and their willingness to appropriate money for the purpose means that the capacity of our country to absorb cultural materials, primarily in printed form, will grow. The history of printing shows that the demand for printed materials increases in direct relation to the amount of communication that takes place among people. Therefore, providing our cost situation does not price us out of the market, we should

be able to look forward with considerable confidence to a long-term increase in the demands for printed materials.

However, to reap the advantages of these progressive developments the individual printer must seize the opportunities as they come along. We already know that the modern annual corporate report, which represents the acceptance by corporations and other organizations of their public relations responsibilities, is a movement which has benefited our industry.

New Selling Opportunities

The modern idea of textbooks which will go to the child for keeps, thus adding to the store of literature of the whole family, should interest many printers.

Perhaps we have not yet plumbed all of the advantages to be gained from the existence of a moderate postal rate structure. Our postal rates today are favorable and form a basis for encouraging a vast increase in commercial relations by direct mail.

The house magazine movement is growing. New publications for the maintenance of liaison between employers and their employees, between organizations and their members, are increasing rapidly. Television will create a demand for some printers who are adept at locating the opportunities that lie in that field. I call your attention, for example, to the fact that in one test, booklets offered free on television programs and shown as well as described to the audience, drew eight times as many requests as were drawn through conventional radio.

We must obviously be alert and aggressive in making the best of selling opportunities. If we will concentrate our sales, thinking not so much on what we have to sell as on what the American people need, we will find our industry plays a greater and greater role in serving American industry and institutions.

As I look ahead with the printing industry, I recognize that we have not made our way alone. We are a part of a highly complex society. We will go up or down as our nation goes up and down. But every time I hear the line about the next depression I conclude that if we sit around waiting for it, we won't do anything about it until it arrives. We at least ought to be building some solid defenses, and maybe (as in other fields) if we will take the time to build our defenses, we will not have to use them.

Invention of Printing from Movable Type Credited to Johann Gutenberg



MYSTERY surrounds the place and date of the invention of printing from movable types. It is generally accepted and practically certain that Johann Gutenberg was the actual inventor, however, for it is known that he was experimenting with movable types at Strassburg as early as 1439. In that year George

affairs and a witness on Fust's behalf, is introduced. The exact trend of affairs and associations among these three outstanding characters in the events immediately preceding the production of the first printed book is not clear, but it is definite that, of the three, Gutenberg was responsible for the discovery of the process.

Fust and Schoeffer formed a printing partnership in 1457, whereas the first document to which a date and



Sums from \$100,000 up have frequently been quoted as monetary value of the St. Blasius-St. Paul copy of the Gutenberg Bible, above, which is one of three perfect copies known to be in existence

Dritzehn, a citizen of Strassburg, brought an action against Gutenberg for the recovery of money lent to help in perfecting the invention. Obviously at this stage Gutenberg had not yet achieved a successful result, and, at a later date, 1450, and again in 1455, extant records show that he had returned to his native city of Mentz and had fallen into debt with Fust, a goldsmith, who brought lawsuits for the recovery of money lent to Gutenberg to enable him to put his art into practice.

In these records mention is made of two of Gutenberg's servants, both of whom afterwards became printers. At about the same time a third party, Peter Schoeffer, a young clerk in minor

place can definitely be assigned is the thirty-one-line "Indulgence" of November 12, 1454, issued by Pope Nicholas V, granting certain privileges in return for contributions to the campaign waged by the King of Cyprus against the Turks.

The Indulgence is almost certainly the work of Gutenberg, as also is the thirty-six-line Bible of 1458-1460 which likewise was printed at Mainz.

It is a most unfortunate fact that there is no known printed work bearing Gutenberg's name; but there is absolutely indisputable evidence that Gutenberg was the inventor of printing from movable types.

—from "Printing" by H. A. Maddox

★★★ Color plates through the courtesy of "Holiday" magazine ★★★



A Printer's Prayer

BY WILFERD A. PETERSON

To the Great Printer who *prints* in all the *colors* of the rainbow and whose *type faces* are stars and clouds, autumn leaves and sunbeams, snowflakes and flowers, this is my prayer: That I may *set up* my life to the *measure* of a man; that I may have the courage, win or lose, to follow the *rules* of the game; that I may *point* my life toward the things that count; that I may *lock up* within my heart idle tales, gossip, and words that hurt; that I may *make ready* for the opportunities to serve that come my way; that I may *register* in my memory the splendor of sunsets, the glow of friendships, the thrill of great music, and the mental lift of inspiring thoughts; that I may *press* forward in the spirit of adventure toward new horizons of achievement; that I may *work and turn* out worthy accomplishments; that the *impressions* I make on the white pages of time may encourage, cheer, and inspire all those who cross my path; that I may *bind* together in my own life all those positive qualities that make for happy, creative, triumphant living; and finally, O Master of Printers, help me avoid the disgrace of making *pi* of my life and guide me safely around the yawning mouth of the *hell box*:

Prayer copyrighted 1938, The Jaqua Company, Grand Rapids, Michigan

Illustration from an oil painting by a student of the Advertising Art School, Nashville, Tennessee

Plates courtesy of the Southern School of Printing, Nashville, Tennessee

CHICAGO PRINTER HAS MADE QUITE A SPECIALTY OF

Printing That Glows in the Dark

● **LUMINESCENT** novelties which glow in the dark after exposure to light have been common for several years, but mass production of printed pieces of this nature is a relatively new development. Until the last war the only successful luminescent printing processes were silk screen and lithography. The former is relatively slow, costly, requires careful and tedious preparation and "fussy" printing; long runs are not practical and register of several impressions is exceedingly difficult. The lithographic method requires that printing be laid over a luminous-coated paper permitting the luminescence to show through in desired areas; this procedure is wasteful of the luminescent coating pigment.

"Wilglo" Process Developed

It remained for W. H. Wilton, Incorporated, a Chicago printing firm, to develop and perfect the "Wilglo" process and put luminescent printing in a class with other quality, mass production letterpress printing. That the Wilton company has made quite a thing of this specialty is evidenced by one recent single order for four million pieces billed at a five-figure price. Today, the Wilton organization is the only one in the United States producing luminescent printing on a large scale by letterpress.

During the war, phosphorescent and fluorescent printed material was produced in tremendous quantities for the armed forces. Ballistic tables, pilots' check lists, and instrument dials were only a few of the numerous applications.

Continued in Peacetime

When peacetime production was resumed, the Wilton company retained its process and set about to develop commercial applications. One of the biggest to date is a promotion piece for Montgomery Ward & Company featuring "Rudolph, the red-nosed reindeer" who appears on the insert (printed by the Wilton company) on the facing page.

Other applications of "glow in the dark" printing include a wide variety

of children's books and toys, theater programs, greeting cards, religious pictures, direction markers, room numbers, posters, bulletin boards, window signs, cutout Christmas tree ornaments, confection enclosures, political advertising, and a host of

direct-mail advertising pieces in ever-increasing variety.

The novelty appeal of printing that glows in the dark is tremendous (to grown-ups as well as to children). The effects are striking; the intensity and duration of the afterglow depend on pigments used and the length of their exposure to light.

Prints Line Plates and Type

At the present time the "Wilglo" process can handle sheet sizes up to 22 by 34 inches and will print on any material which will feed through the regular letterpress equipment being used. Halftones cannot be used, although hairline register of line plates (metal or rubber) and type can be achieved. The range of colors (as they appear under illumination) is limited to light tints because pigments cut down the glow. The potential range of colors as they glow in the dark is blue through green to yellow.

Some printers make a specialty of business cards, some tickets, tags, or timetables, others catalogs, and still others die-cut novelties. This is indeed the age of specialties in the graphic arts as in other industries. The "Wilglo" process is a notable example.

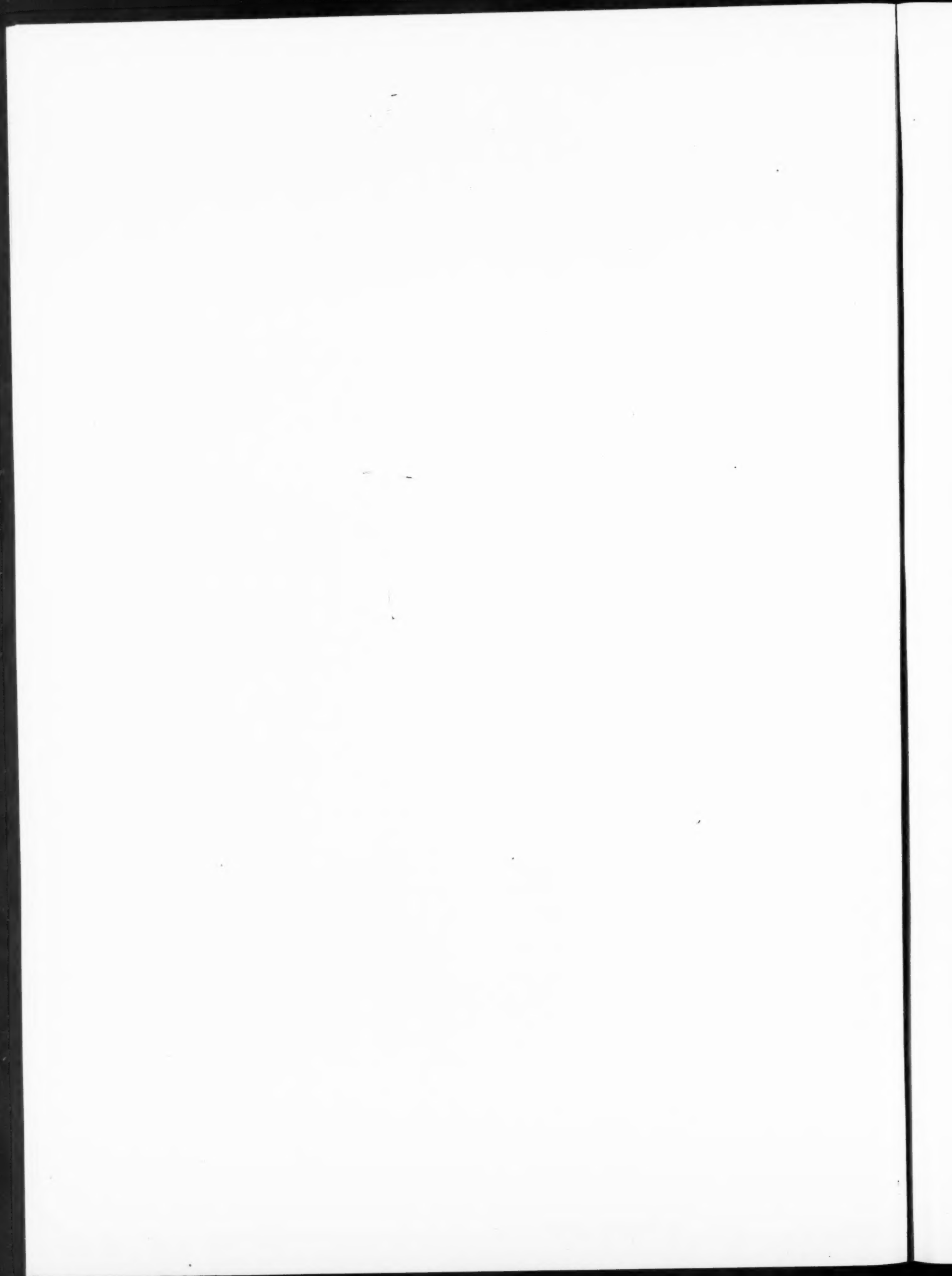


Children's books, promotion pieces, theater programs, religious printing, and greeting cards are among the numerous interesting applications of the "Wilglo" process. Effects are very striking

ABOUT THE INSERT

On the facing page appears Montgomery Ward & Company's famous "Rudolph, the Red-Nosed Reindeer," whose likeness appears in millions of promotion pieces distributed by that organization. According to the story, when Santa Claus was fog-bound one Christmas eve, Rudolph's bright red nose came to the rescue and lighted the way. The red, green, and brown of the insert were printed in conventional colors; the luminescent areas were printed letterpress by the exclusive "Wilglo" process of W. H. Wilton, Incorporated, Chicago. To get the striking effect of "printing that glows in the dark," expose the insert to a bright light for a few moments, then view it in the dark.





By J. L. FRAZIER

Mark for this department
items on which you wish criticism.
Send in flat package, not rolled.
We regret that personal replies
cannot be made by mail

SPECIMEN REVIEW

DEPARTMENT OF PRINTING and Publishing, of Menominee, Michigan, High School.—The program covers, in wide variety, designed and printed by students, are very interesting. They show good taste in illustration, layout, and in the choice of typography which fits the subject matter.

W. L. ALCORN, Montana State Press Association, of Missoula.—Your announcement of the mechanical clinic for printers is unusual and should catch the fancy of printers (to whom it is, of course, directed). In a sketch of a composing stick, the message appears upside down and backwards so that it reads just as does type set in a composing stick.

BERNARD HERSH, of Cleveland, Ohio.—The clever combination of the letters P, C, and S into a monogram for the business card of the Patterson Consultant Service is noteworthy. The C forms the top loop, and the P (placed slightly below and to the right) forms the bottom loop of the S. The vertical stroke of the P is extended up through the C with a resulting dollar sign.

JARROLD & SONS LIMITED, Norwich, England.—Your gravure-printed souvenir book commemorating the 125th anniversary of your firm's establishment tells an absorbing story in word and picture. Large bleed halftones of actual plant scenes and views of the neighboring Norwich countryside make an attractive piece; the story of your continual progress through two disastrous conflicts makes good reading.

PRESS OF N. H. CORNAY, of New Orleans, Louisiana.—Your blotter "Distinguished Printing" is colorful and has eye appeal. Picture of new plant is striking. However, the winding (curved) line of sans serif caps printed on black over curved gray band from left-hand edge to sign on plant on right side is very hard to read. Furthermore, two lines "Distinguished Printing" are tightly letter- and line-spaced whereas line below in condensed sans serif is both widely letter- and word-spaced. Letter-spacing should be uniform in display lines throughout any printed item. In short the arrangement and typography of the piece makes the effect confusing, directs the eye in too many directions at the same time.

MORGAN CAMERA SHOP, Hollywood, California.—Nice halftones from excellent photographs make the Morgan Camera News a pleasant little house

magazine to review. Since the photographic field is your business, you of course insist upon topflight photography, and carry through with fine halftones to make certain that the quality of the original pictures is retained in the reproduction. The result is a standard of quality of which we'd like to see more.

CO-OPERATIVE PRESS LIMITED, of Manchester, England.—Your "Candid Camera" booklet tells an interesting picture story of the Co-operative Press. Looking through it, one is reminded of the "picture" magazines so popular here in the United States, for your souvenir piece is packed with an array of interesting and

MARCH 15 TO APRIL 23 · 1948

EXHIBIT

OF MACHINE-AGE ART: THE TYPE PICTURES

IN THE LIBRARY OF THE COLLEGE OF ARTS AND SCIENCES

SHOWN BY

LONG ISLAND UNIVERSITY

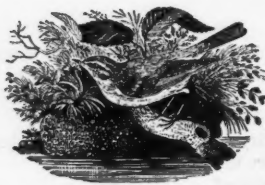
COURTESY OF ADVERTISING AGENCIES' SERVICE COMPANY, INC.

NEW YORK [SECOND COLLEGE SHOW OF 1948]

TENTH FLOOR · EDISON BUILDING · 360 PEARL STREET · BROOKLYN

"Machine age" art by Albert Schiller, Advertising Agencies' Service Company, New York City, demonstrates unique combinations of typographical material. Original piece in red and blue on white

THE WORK OF
**R. HUNTER
MIDDLETON**
DESIGNER



AN EXHIBITION
IN THE
NEW GALLERY
FROM
April 23 to May 7, 1948

THE EVANSVILLE PUBLIC MUSEUM

Wood cut illustration by Thomas Bewick graces black and white cover design by Herbert W. Simpson, Incorporated, of Evansville



*There
Type Can Serve You*

Colorful (red, brown, black, on buff) folder announcing address change of Chicago composition plant—J. M. Bundscho, Incorporated

varied well-made views. The use of large, bleed halftones, broad bands of color (orange), sans-serif body type, and plastic binding are all factors contributing a modern note.

OATSON ANGELL, JR., of Coldwater, Michigan.—The annual report you sent with your letter is neat and dignified. However, the tendency of late has been to introduce glamor into such publications—striking design, impressive graphs, dramatics, and color. While neatly done in most respects the report you submit is drab and dull (sorry to mention this because you may have been restricted). Text matter should have been set in half measure as it is too long as set for 8½- by 11-inch page. The best rule in this regard is that lines of type should be around one and a half alphabets (lowercase) of the type used which means about thirty-nine characters. We might mention other points—finer ones—but space doesn't permit doing so. Come again.

VICTORIA PRESS LIMITED, Montreal, Canada.—Your "Sherlock Holmes" blotter is a clever promotion idea. With a picture of the sleuth himself you point out an error in spelling made deliberately in a preceding piece and ask "Did you detect it?" Copy continues: "To catch such errors a good proofreader must be careful at all times. Day in—day out we give your orders that careful attention." Neatly printed in unusual colors—magenta on peach stock—it is a good job from both the copy and design angles.

TRAVELERS PROTECTIVE Association of America, of St. Louis, Missouri.—Certainly no one could question the effectiveness of the neat blotters, each printed on a different colored stock, which you send out as printed salesmen. Your "Tips for Success" are significant bits of wisdom. Since the blotter size is always the same, and layouts necessarily pretty much identical, we suggest that you inject variety into the series by occasionally employing some attractive and appropriate type styles other than the standbys you have previously made use of.

PANTONE PRESS INCORPORATED, of New York.—The paint sample swatch folder which you produced for Roberts Paint Corporation is indeed a comprehensive advertising piece. The eighty different color swatches, printed by your split-fountain process fourteen colors in each run, are very clean and must give the prospective paint buyer an exceptionally accurate idea of what he can expect from the advertised product. Paint swatch samplers are

sometimes quite complex, costly arrangements—you seem to have solved the problem simply and effectively.

CRAFTSMAN PRESS, Incorporated, of Washington, D. C.—Colorful is the word for your promotion piece using as its theme a reproduction of your advertisement which appeared in the classified section of the telephone directory. A splash of golden yellow on the cover is eye-



**THE
SHOW
OFF**

Just now I saw a pigeon get the brush-off,
And I was tickled when he got it, too;
The way he strutted his stuff around the roof tops,
You'd think that he had little else to do.
All summer long I've watched this brazen show-off,
And marvelled at his promiscuity,
And when he met his match this very morning,
I'm telling you it was a sight to see.
'T was short and sweet and really quite amusing, —
In fact it seemed almost too good to last;
But when she parried every thrust so deftly,
I knew that he was getting nowhere fast.
So, when she had him looking cheap and silly,
As females can when in the mood for play,
She pecked him once just so he would remember,
Then flicked her tail and promptly flew away.

GKR

There's Poetry in everything. The Poetry of Printing is reflected in the high quality of the work produced by

THE HOLLING PRESS, INC.

Buffalo 3, N. Y.
WA. 5100

"Poetry in printing" is theme of this printer's promotion piece. Black on peach blotting stock

arresting, and, of course, the tie-in with the yellow pages of the directory is at once obvious. The large bleed halftone of a press-room scene (printed on the second page) adds interest. It is unfortunate that the stock used was not heavier and more opaque as show-through detracts from the attractiveness of the piece.

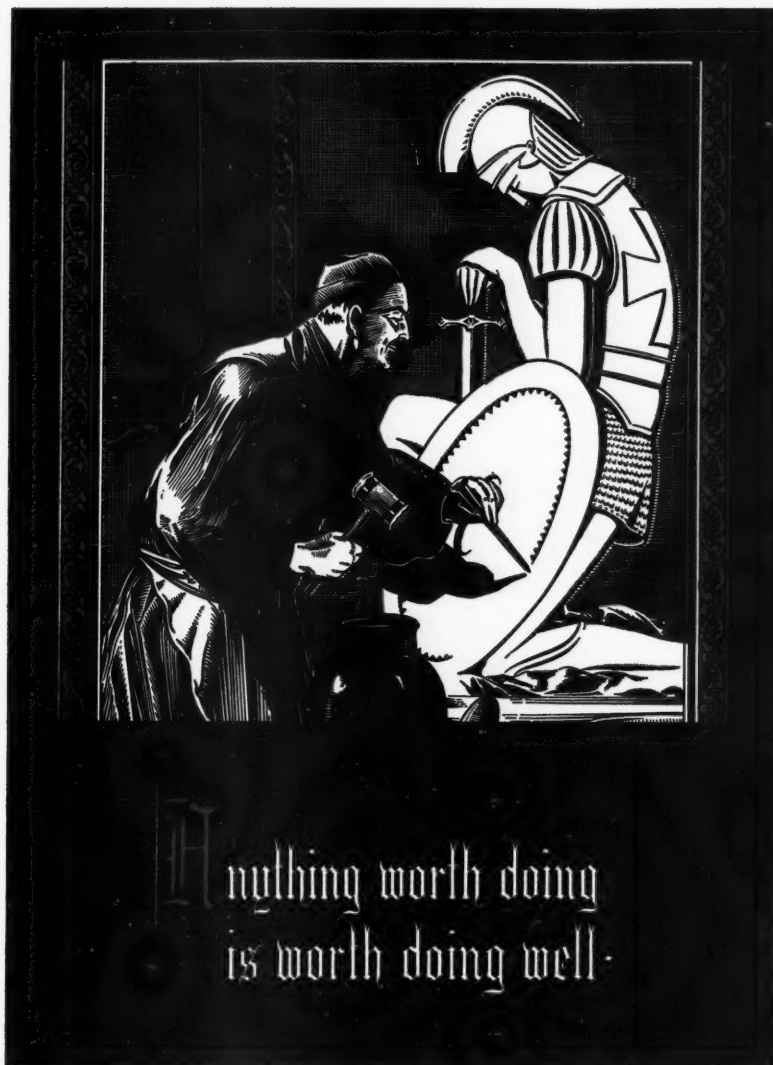
The HANSEN-CARTER PRINTING COMPANY, Stockton, California.—Your blotter in silver, brownish-red, bright yellow, black, and white is certainly an eye-stopper.

Yet these colors, as you have handled them, do not appear gaudy. The typographical combination does not fare so well. A condensed square-serif face, a modern sans-serif, a script with strokes of uniform weight, and one with contrasting thick and thin strokes—all confined within a 3½- by 7-inch space—are a bit disturbing. Using but two different type styles, which harmonize or contrast pleasingly, usually achieves better results, typographically speaking.

JACKSON HOLE PUBLISHING COMPANY, of Jackson Hole, Wyoming.—Of the two advertising blotters you submit, the one with the inviting scenic view is the most impressive and the neatest from the standpoint of typography. The other combines a modern script (simulating hand-lettering), a condensed modern roman, and a square gothic—which types do not lend themselves to a very pleasing combination. Here's a suggestion if you want your halftones to look more "modern": Leave off the tooled white line and solid black line border which definitely looks old-fashioned.

W. A. WEAVER, of Chicago, Illinois.—The advertising blotters which your firm printed for the Gustafson Oil Company are good solid advertising pieces. Incorporating a blotter of the month further increases their utility (and insures their being kept around for a while). From the typographical

Right: brochure cover by G. R. Grubb & Company, Champaign, Illinois, engravers. Rust color and white framed by broad areas of black create rich effect. Below is pink, black, and white promotion piece of firm noted for extensive use of self-advertising. York (Pennsylvania) Composition Company's cover is green, black, white. Cover of house magazine of Paris Printing Company, Kansas City, Missouri, is red, black, white



Nothing worth doing
is worth doing well.

ONLY
"Virgin" Metal
IS GOOD ENOUGH
FOR WARWICK

We beg your pardon for getting technical, but it's a point you may appreciate.

Here at Warwick all type is cast from "virgin" metal. This insures a clean, clear, sharp printing impression.

You see, the metal used in casting type is an alloy, specially designed for its purpose—not too hard, not too soft, but just right.

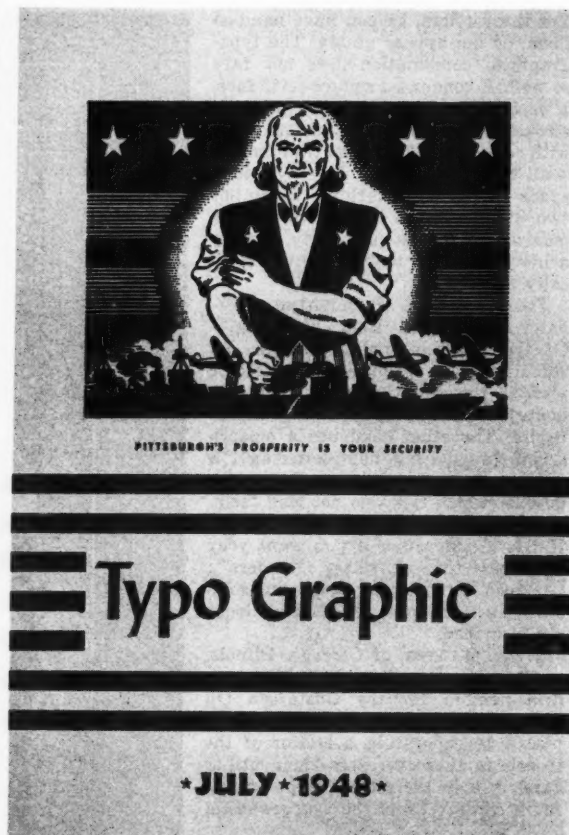
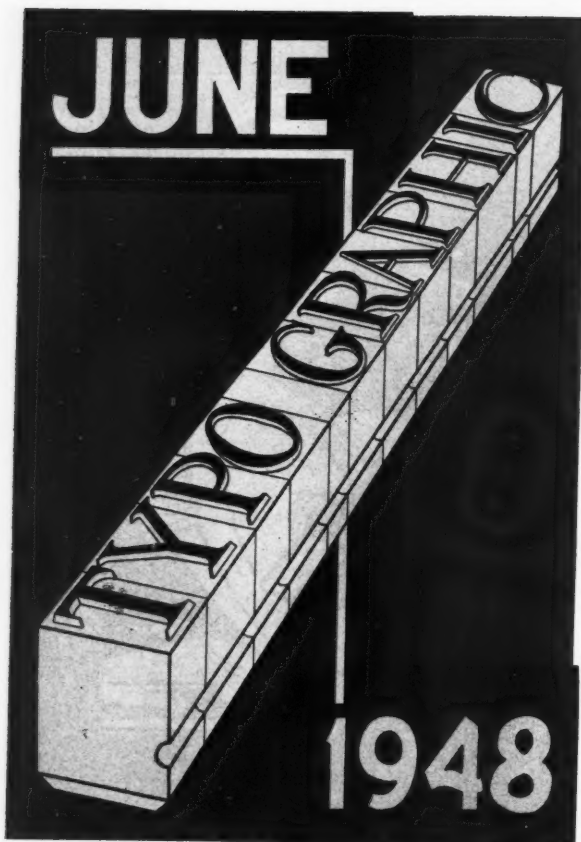
If this metal is melted down after once being cast and is used over and over, it loses much of its virtue—and the type may not stand up, or the impressions from it may be fuzzy and unalluring.

Only virgin metal is good enough for Warwick, and it's not too good for you. Naturally, you want the best. And that's what Warwick furnishes—the best in typography.

WARWICK TYPOGRAPHERS
200 Washington Ave.
St. Louis, Missouri
Clonal 9300

York Trade Compositor
JUNE 1948

PRINTS of PARIS



House magazine of Edwin H. Stuart, Incorporated, Pittsburgh trade composition plant, has expanded into what is now called "Pittsburgh's Human Interest Magazine Devoted to the Graphic Arts." Covers, too, are usually elaborate as typified by these—in turquoise and black, and in red, white, and blue



A Tribute

Starting in a modest way and with a desire to contribute better methods to typographic service, Fred C. Morneau has, in 28 years, led this company to its present position as Detroit's leading typographer. Today, the chief asset of the Morneau Company is the friendship and the high esteem which advertising men and members of the Graphic Arts fraternity hold for Fred and his brother Cy. Those who have come to depend upon the Morneau Organization view with regret the retirement of these men.

A Challenge

We have accepted the challenge—and pledged ourselves to continue without change those policies that have been so typical of the Morneau Organization in the past. It is our desire to hold together the same fine organization and to render the same understanding service. We sincerely believe, however, that with our wealth of ideas and years of typesetting know-how, the improvements we deem necessary will win your complete acceptance. We like to meet people... we like to make new friends... we are optimistic in our desire to serve you.

Ted Monteith
Andy Andrews

The Fred C. Morneau Company
300 WOODWARD AVENUE, DETROIT 1, MICHIGAN, TELEPHONE TRIPLE 1100

A rich impression is conveyed by this gold, black, and white announcement of management change. Informal balance of second page combines with nice typography to continue feeling of "class" originated by effective cover. Tipped-in miniature letter on page three adds interesting personal note

standpoint, the signature set in Nicolas Cochin (with the balance of the typography in a modern sans-serif) is a bit weak and not too fitting. One good solution to this problem would be to work out a good signature cut design, perhaps with the firm name and business in reverse type (or hand-lettering) of proper weight and appropriate style.

LONDON SCHOOL OF PRINTING, of London, England.—You may all be proud of the brochure "Specimens of Printing," the project of R. F. Wardley and J. J. Barvis. First nice thing is the cover of heavy black stock. In the lower right-hand corner the title and sub-title—four sample lines in beautiful roman type, nothing else—appear printed in green ink which is decidedly opaque to show so well on the black paper. Title and contents pages are distinctive with lines short on outside of right-hand pages, most of each page being blank. Specimens of work which occupy following pages are uniformly excellent although lines of heading "A Speech Delivered by the Prime Minister, the Right Honorable Stanley Baldwin" are too closely spaced. The serious error, however, is the positioning of pictures and legends which are printed the long way of page the width of which is less than height. In such cases the top of the picture should be at left rather than right, legend below picture reading from bottom of page

KEYS
PRINTING CO.
SINCE 1869

NEW
KEYS PRINTING CO.

25301

WHAT'S YOURS?

You'll want folks to know your new dial telephone number too. We can help you get it across to your friends and prospects quickly with a mailing piece or a blotter similar to this one.

DIAL US 25301 WE'RE LISTENING!

Printers of Catalogues, Sales Folders, Envelope Enclosures, Sales Letters

Printers of Letterheads, Booklets, Ledger Forms

Printers of Publications, Posters, Color Work, Factory Forms, Blotters

N. T. LEWIS COMPANY, 73 FIRST AVENUE, PHN. 22, PA. COUNTRY 0784-0788

Top: striking colors (bright red and black) and effective design strengthen this Greenville, South Carolina, printer's bid for business. Lower blotter in delicate blue and black on light blue stock

October
1947

**Graphic
Arts
Review**

Covering the Tri-State Philadelphia Area

Off-center arrangement is heightened in interest by large reverse panel in jet black and decoration in bright orange. Unusual type is used effectively

TYPO GRAPHIC

FEBRUARY 1948

Nothing subtle about this design which leads reader's eye by sheer force. Another house magazine cover by Edwin H. Stuart, Incorporated, Pittsburgh

left and to right. There is a sound reason for all this. When the opened book is turned naturally to view such pages the top comes naturally up and two pictures or other matter printed long way of the paper page both are viewed without further turn as in the case of this book of yours. The presswork is excellent.

FRANK J. PULVER, Longmont, Colorado.—One of the nicest features of the booklet you printed for the First Lutheran Church of the Rockies is the generous use of interesting photographs and the many line drawings of art glass window symbol designs used in the beautiful new house of worship. More white space around the blocks of type would have improved the appearance of some pages. Proper distribution of this white space is important, too, with the least amount appearing along the binding edge, more at the top and outside, and the widest margin at the bottom. Liberal margins add richness to a page, and are particularly desirable when dealing with subject matter such as this.

THE JACKSON PRESS, London, England.—You do excellent work. Particularly impressive are the folders "Usual Marks Used in Correcting Proofs for the Press" and "Food," the latter die-cut and folded interestingly. On page two of the first there is a column of type matter with corrections as if by pen or pencil marked at the sides. The same matter appears on page three but in smaller size of type with lines numbered, this topped by copy "Explanation of Corrections"—excellent—explanations being numbered according to line numbers. Fourth page headed "Usual Sizes of Type" shows them in one series for comparison. Title page of piece is both interesting and striking, in fact only serious fault with the item is that words and letters of heading are too widely spaced apart and we feel the head should be set in a different but related style. If this had been done the page would be more interesting and harmonious. Title of the second item (folded to 8¼ x 3¼ inches) is particularly striking. Word "Food" in 3½ inch letters—bold Egyptian style, widely letterspaced—is printed in violet. Across the page—back of the word—there's a one-inch band in green in vertical center of page over which the big letter of "Food" and "Here's what we are doing for you—" appears in black. Not only is the layout striking and interesting but the color combination is both unusual and excellent on the medium gray paper used. Space makes it impossible to adequately describe the piece but page three has a green background like page one. The die-cut feature comes from fact that there is fold-up cut diagonally from lower left to upper right corner with background for few lines of type in the violet used for word "Food" on front page. Only inferior piece is enclosure slip starting with "The Jackson Press was established"; the type used for it is too small.

Printers Sample Their Own Wares

A Satisfied Customer is Our Best Advertising!

WE'RE SOLD ON THE EFFECTIVENESS of advertising. But in half a century of experience we've found: A satisfied customer is our best advertisement. That's why we mix ingredients such as courtesy, sincerity, and appreciation with type, paper, and ink in rendering a printing service that makes customers come back for more. We'd like a chance to please you—just call Main 202.



BLANK PRINTING COMPANY 1234 Main Street
Blanktown, U. S. A. Telephone Main 202

1948	October							1948
S	M	T	W	T	F	S		
						1	2	
3	4	5	6	7	8	9		
10	11	12	13	14	15	16		
17	18	19	20	21	22	23		
24	25	26	27	28	29	30		



WE'RE COPY CATS*

We're not imitators . . .
we're specialists in preparing & printing
business & institutional messages, that is!

* Let us make your printing look as sober as a judge,
as attractive as new money, or as inviting as a cherry pie.

HERBERT W. SIMPSON INC.
Printers who do their work well
109 Synamore Street Evansville, 8, Indiana Telephone 5-6541

ENGLAND
HONORS
FRYE
WITH

CERTIFICATE OF MERIT

This month we repeat the old adage about "building a better mouse trap and a path will be beaten to your door." In a contest for modern layout advertising sponsored by The British Federation of Master Printers, we were awarded one of the nineteen certificates of merit issued. There were 262 entries in this contest and our certificate was the only one going out of England. Again, we are proud to bring the name of Springfield before the printing industry of the world. FRYE PRINTING COMPANY, SPRINGFIELD, ILLINOIS • Telephone 2-9616

Printers

1948

We have never burned our bridges behind us. We can look at the past 37 years with pride and toward the future with confidence.

R. T. LEWIS COMPANY
72 FIRST AVENUE • PITTSBURGH 22, PENNA.
COURT 0794-0795

Represented here are some of those wise printers who believe in heeding their own advice: "It pays to advertise with good direct advertising." Top blotter, in maroon and black, was designed by Emil Georg Sahlin, of Buffalo, New York. The "copy cat" promotion piece makes use of clever illustration composed of cut-out pieces of copy, and is black on white. Frye Printing Company's advertising blotter is, as usual, simple but clean-cut and effective. Colors are red and gray. Lower blotter attractively printed in orange-red and brown on peach-colored stock. All are good printers' promotion pieces of modern areas



THE

PRESSROOM

BY EUGENE ST. JOHN

Questions on pressroom problems will also be answered by mail if accompanied by a stamped envelope. Answers will be kept confidential if you so desire and declare

PAPER THICKNESS GAUGE

We are interested in buying a gauge to measure the thickness of paper. Will you tell us who makes them?

There are several firms who make paper thickness gauges. The micrometer may serve the purpose.

FLOCK PRINTING

Our plant is interested in doing flock printing on some of our own products. Can you advise us where we can get equipment so as to get into this type of work in a limited way.

The sheet of paper or almost any other material is first surfaced with an adhesive. The flocks are easily applied. Methods in use are agitating, screening, sifting, and spraying. Complete details and samples in colors are furnished on request by the suppliers of rayon, cotton, wool, and silk flock.

HOT WAX CARBONIZING

On page 59 of the May issue of the "Inland Printer" is a short note about plates for hot wax carbonizing. This suggested that rotogravure type inking and recessed plates with presumably a doctor blade are the best means of carbonizing. We are interested in this process and we shall be grateful if you could tell us the name of the manufacturer of this equipment.

You are quite correct. Rotogravure can "lay it on thick without smearing." Names of the manufacturers have been sent you.

DELAYED DRYING TROUBLE

You may note the discoloration in the print on the second side of the enclosed piece directly opposite the four-color print on the opposite (first) side. We would like to know why this phenomenon occurs.

Compound of a greasy or waxy nature, or both, which had been added to the fourth superimposed color in the print on the first side was not dry enough when the second side was printed. This compound, in contact with the print on the second side in the delivery pile, affected the gloss and color as noted.

PLASTICS WITH METALLICS

We would like to know how bronze leaf and sized metallics are mounted on cellophane and other plastics. What manufacturing process is used by most American producers and what machines are employed? We used to import large quantities of these products used for die-stamping from the United States but at present are prevented from doing so by import restrictions.

Metallics are applied to plastics on reverse roll coating machines, slot pressure extrusion applicators, and on rotogravure machines. The sample which you have sent was decorated on a rotogravure machine, with aluminum ink, for which work this process is highly efficient.

*Want someone to
do you a favor?*

Here's an idea printers might use to good advantage: National Travelers Casualty Company, Des Moines, Iowa, recently sent a small mailing piece to policyholders titled "We'd like to meet more people like you." This copy follows:

"Thousands of our best policyholders come to us through the recommendation of those who are insured with us. You can do your friends and acquaintances a favor by jotting down their names on this card. Some day, when disability strikes, and they receive cash benefits under a policy like or similar to yours, they will be especially grateful. Please detach the other part of this card and send it in to us. No stamp is required. (A business reply card was used.) Thank you, National Travelers Casualty Company."

The printer's business is of a different nature, of course, and the copy would have to be varied accordingly. But the basic idea is excellent. Most people like to be told they are the kind of folks one likes to meet. And a number of them might be very happy to do you a favor that possibly just didn't occur to them before.

ACCOUNTING CARDS

I should like to have the names of firms specializing in the printing of printed, punched, and strip-carbonized accounting cards like the enclosed.

Any printer with a supply of press punches, easily obtainable, can do this work. Narrow strip carbonizing and die-cutting are not difficult.

RAISED LETTER STATIONERY

I want to develop a mail order business and would confine myself to production of raised letter stationery. Do you know of special outfits made to carry the printed sheet through the toasting oven to raise the letters?

The suppliers of equipment for raised letter printing can tell you where conveyors may be obtained, suitable for this specialty.

VACUUM SHEET CLEANER

This is in reference to the article covering vacuum sheet cleaners which appeared in the July issue. We would appreciate it very much if you would supply us with additional information on these cleaners.

Around a quarter-century ago a printing plant with a reputation for the best grade of letterpress printing on slick paper took on the job of printing a weekly paper by gravure. The superintendent, a pressman, was quick to note that best results by gravure would be impossible unless the dirt on the gravure paper was removed prior to impression. A picture of the dirt removed from this gravure paper was shown in *The Warren Monthly*, February and March, 1923. So this superintendent invented the Doyle vacuum sheet cleaner, giving it his surname.

The vacuum cleaner proved very effective and met a favorable reception in printing plants and paper mills as it is effective in cleaning sheets and webs of paper alike. It may be applied on all makes of cylinder and rotary presses, both roll-fed and sheet-fed, and functions by cleaning the dirt by air suction from sheet or web prior to impression.

COLD TOP ENAMEL PROCESS

We would like some information relative to the cold top enamel process for making gravure cylinders in place of using carbon tissue.

Briefly this process, similar to "invert halftone," involves in order of sequence, a squaring-up table on which positives or negatives are squared up before imposition; a process layout and register table, on which positives or negatives are imposed on a master glass flat; a cylinder preparation and clean-up tank, in which cylinders are cleaned preparatory for coating; cylinder coating machine, in which cylinder is coated with cold top enamel and rotated until dry; cylinder transfer (photo-printing) machine, which prints an image from the master glass flat on the coated cylinder; cylinder development machine, in which the print is developed; and cylinder etching machine in which the cylinder is etched, the final step in the process.

The "invert halftone" is another process for making gravure cylinders which does not employ carbon tissue.

MAGNESIUM HALFTONES

I would like your comments on the criticisms we had on the enclosed booklet. This was printed on a double-coated, latex-covered number one enamel. It was deliberately made especially limp by the latex coating, and was printed in 8-page forms on new two-color presses. Plates are magnesium, on which we had trouble with wear, for no apparent reason. The run is only 45,000. Ink is a green-black and green tint. Our pressroom foreman believes these forms are too heavy for the press. Do you? (Press varnished on a single-color press on cover 1 and 4.) These were the comments: "Page 1—Indicates poor trapping of ink; Page 2—Indicates printing line was not right. See also page 32. (We think due to too heavy a form for the press); Page 4—Poor engraving, not staged properly, no real solids; Page 6—Shows deep scum dot; okay for cheap papers, but not enamel. Page 7—Poor makeready on one halftone; Page 9—Engraving not stopped off on solids; Page 13—Engraving grayed out; Page 14—Trapping poor; Pages 20 and 21—Engravings again not stopped out on solids; Pages 22 and 23—Poor trapping; Pages 24 and 25—Scum dot again. Poor makeready on vignettes; General—Engraver should hold the solids and stage out the intermediates, with a pin-point dot for highlights. Green tint should be a lighter shade for better contrasts." On the second piece herewith, should we be able to eliminate so much impression showing through?

Impression from edges and rules showing through (punching) may

Typographic

AN EXECUTIVE HAS NOTHING TO DO!

AS EVERYBODY KNOWS . . . an executive has practically nothing to do . . . that is . . . except to decide what is to be done . . . to tell somebody to do it . . . to listen to reasons why it should be done . . . why it should be done by somebody else . . . or why it should be done in a different way . . .

To follow up to see if the thing has been done . . . to discover that it has not been done . . . to inquire why it has not been done . . . to listen to excuses from the person who should have done it . . . to follow up a second time to see if the thing has been done . . . to discover . . .

That it has been done but done incorrectly . . . to point out how it should have been done . . . to conclude that as long as it has been done . . . it may as well be left as it is . . . to wonder if it is not time to get rid of a person who cannot do a thing correctly . . . to reflect that the person in fault has a wife and seven children and that certainly . . .

No other executive in the world would put up with him for another moment . . . and that . . . in all probability . . . any successor would be just as bad . . . and probably worse . . . to consider how much simpler and better the thing would have been done had he done it himself in the first place. But that would strike at the very foundation of the belief of all employees that . . .

AN EXECUTIVE HAS NOTHING TO DO!

Victoria Press
Limited

1410 CLOSSE STREET, MONTREAL

(Forum Building)

Tel. Wilbank *4111

Perhaps the most obvious fault of the above printed discourse on an executive is that it just doesn't "look" like an executive. Both display and body type styles used are very useful "work-horses" in the typographical field—but they lack the executive look. Crowding of copy into available space, without regard for margin or pleasing distribution of white space, detracts further from the desired quality appearance. The color band following the heading defeats the objective most typographers strive to attain—that of leading the reader's eye from heading to body copy, *not off of the page*.

n executive has nothing to do!

As everybody knows... an executive has practically nothing to do... that is... except to decide what is to be done... to tell somebody to do it... to listen to reasons why it should not be done... why it should be done by somebody else... or why it should be done in a different way...

To follow up to see if the thing has been done... to discover that it has not been done... to inquire why it has not been done... to listen to excuses from the person who should have done it... to follow up to see if it has been done... to discover...

That it has been done but done incorrectly... to point out how it should have been done... to conclude that as long as it has been done it may as well be left as it is... to wonder if it is not time to get rid of a person who cannot do a thing correctly... to reflect that the person in fault has a wife and seven children and that certainly...

No other executive in the world would put up with him for another moment... and that... in all probability any successor would be just as bad and probably worse... to consider how much simpler and better the thing would have been done had he done it himself in the first place. But that would strike at the very foundation of all employees' belief that an executive has nothing to do!

Victoria Press
Limited

1410 Clossie Street, Montreal (Forum Building) Telephone Willbank 4111

It would be difficult to select a typeface more suitable for the subject matter than the classic, clean-cut, legible style employed for display and body copy in the reset piece above. The decorative initial in the second color adds class. So do the paragraph marks; as well as the tapered rule which logically divides subject matter from a signature which has no close relationship with it. A larger body type size, with some of the superfluous leading eliminated, aids legibility. More white space at top and bottom assists considerably in achieving the sought-for "executive" look.

be eliminated by more thorough makeready on forms in second piece.

In the attempt to find the causes of the imperfections and faults in the magazine printed in two colors, the proper procedure is to examine the photographs, negatives, and the engraver's proofs, which are lacking so our comments can be based only on the evidence shown.

We should also know whether the plates were mounted on patent metal base, wood, or magnesium blocks.

The presswork, while not the best, is not too bad except in the handling of the vignettes where it is not passable and in the regulation of the ink supply which varies noticeably from page to page. Offset also is apparent from both the green-black and tint forms.

The forms are not too large for the press. It will take forms up to 24 by 38. The criticism that the printing line was not right is not well founded as the pitch line seems to have been held and there is no evidence of slur.

Your critic appears to have used the term "trapping" erroneously in three places. What he means probably is misregister. Trapping is that quality in a first-down ink which enables a surprinted ink to take on it nicely.

While the presswork is open to criticism, the platemaking is so faulty that the most skillful pressman could not obtain an entirely satisfactory proof, much less a run of 45,000.

Without going into the criticism on the staging, it is enough to point out that the plates abound in "pin holes," "shooters," linked dots, and evidence of dirty coating (printing solution), and rough edges.

You should not be surprised at wear showing on copper halftones in a run of 45,000 and there is no reason to expect magnesium to excel copper in this respect.

As for the factor of paper and suitable ink, it is clear that the green-black halftone ink prints the type admirably. Whether it should be modified for the magnesium halftones can be determined by tests. The green tint ink could print the type lines better and could be modified for the screened tint plate.

Since halftones on magnesium alloy are still in the experimental stage, as are also latex-coated papers, the test at the start should be to make copper and magnesium halftones from the same negatives, pull good proofs with the plates on metal base on both regular and latex-coated papers, and compare results.

SEQUENCE OF COLORS

The end of this month we are installing a two-color press. Strange as it may seem, in this city of 400,000 there is only one other two-color press which was here when I came here twenty years ago. It is in a box-making plant and used for carton work only. Outside of this plant I don't believe there is a pressman in town who ever worked on a two-color so I have a few headaches coming. I am mainly concerned about whether there is any special way of using inks on a two-color press. Do you run transparent colors on solid plates over the black which has been positioned first and the color pages registered to it? Can you run black on solid colors? These come up in every issue we print.

It is a convenience to position the black form and run it first in many instances. This works out nicely by running a transparent color over the black when using the older dry inks but when surprinting one color on another on a two-color press wet inks are used, which have been made especially for wet printing on the two-color press.

You need not anticipate trouble if you will work in collaboration with the inkmaker. In using wet inks, the first-down color is made stiffer so it can trap the second color so that it

takes. With wet inks there is a tendency for the first color to carry over or lift to the second. So it has been found advantageous to run the lighter color first down.

If a yellow carries over into a black, the effect is not so noticeable as if a black printed first down carried over into a yellow.

OFFSET-LITHOGRAPHY

I have been asked to present a brief description of offset-lithography and wonder if you can help me.

Alois Senefelder discovered that a limestone of his native Bavaria had an affinity for and would freely accept both greasy ink and water. The natural repellency of water and lithographic ink, maintained by suitable treatment, enabled printing to be done from the plane surface of the stone.

Lithography became the favorite medium for color printing until the development of the letterpress three-color process which was later to become the more efficient four-color process which enabled letterpress to contest lithography's supremacy in color printing.

The stone litho presses could not match the speed of letterpress machines so metal plates were substi-

tuted for the stone and direct litho printing from metal plates became a reality.

The presses operated with a rubber blanket on the cylinder and by accident it was discovered that printing on the blanket and immediately transferring to the sheet of paper yielded a good impression.

The blanket transfer was also easier on the plate than direct printing on paper. Precision offset presses soon were built and operate at higher speeds than letterpress machines of the flatbed-cylinder type.

The result is summed up by the remark of the foreman of the flatbed cylinder pressroom of a plant which also operates an offset-lith pressroom: "We don't get the long runs any more, they all go to the offset-lith department with the exception of a few jobs which are best worked on letterpress machines."

Offset-lith has the further advantage of lower platemaking cost, especially where numerous pictures are in the job.

Letterpress competes on this kind of work on uncoated papers only when the run is long enough to warrant curved plates on fast rotary multi-color machines.

12 ways to secure longer gear life

Gears cost money as every printer who has had to make recent replacement well knows. Any step which can be taken in the plant to insure longer gear life means that much plant overhead reduction. While much depends on metal structure and design, most gear breakages and breakdowns before their time come from factors which can be avoided in actual printing plant operation.

Here are a number of suggestions from engineers which can be applied in any printing plant; which are definite assurance that the many gears on machinery therein can be made to last longer and perform more satisfactorily.

1. Avoid abuse. Overloads on machinery units always bring about abuse of the gears which drive or control that equipment. An overload never pays.

2. Temperatures should be kept down. When gears are operated at excessively high temperatures caused by abnormal speed or around hot operating conditions their useful life is always shortened unless measures are taken to avoid such conditions.

3. Use of too light oils for lubrication cause excessive friction. If the oil is too light an insufficient amount will be carried from gear to gear.

4. Misalignment of shafts on which gears ride will cause excessive wear on one side of the gear tooth and eventually complete deterioration of the gear.

5. Metal-to-metal contact means scoring and galling and it never occurs in damaging quantity when lubricant is proper. The thin film of oil or grease should be present always.

6. Pitting and eventual malperformance of gears results from repetitive shock loading or hammer action induced by

some action of the machine. These should be avoided.

7. Heavy dust in the air surrounding operating gears means lessened gear life and works an additional hardship on the lubricant.

8. Clean gears last longer, run smoother, and are more efficient. When maintenance checks are made they should never be overlooked; five minutes spent in checking and cleaning gears will mean many eventual savings.

9. Power transmission gears must never run dry nor be over-lubricated; either condition may cause trouble.

10. Gear lubricants must be protected against contamination in service whenever possible; a contaminated lubricant can tear apart any gear, particularly when in high speed. This should be guarded against in lubricant storage, application, and in actual operation of the units.

11. Be certain lubricants are applied to open gearing frequently and in small quantities; that is much better practice than using large quantities.

12. When a lubricant becomes laden with foreign material it will build up at the roots of the gear teeth or between the gear and its housing. Remove such a conglomeration immediately.

Principles of Photography

● **HARDLY** a month goes by but what my mail contains at least one letter which says in substance, "I am a letterpress printer but I have recently purchased an offset press and would like to know where I can learn to run it. What books are available? Where can I take courses in lithography?" From the figures published in the September issue of the **THE INLAND PRINTER** one can quickly find the reason: 49.7 per cent of the 17 by 22 single-color presses sold by Harris and ATF have gone into plants which previously had no offset equipment. Add to this the number of shops which have put in the larger presses and those which have the duplicator type of equipment, and the number of beginners in the lithographic industry becomes appalling.

Those Who Produce Negatives

Just how many of these printers have also bought platemaking and camera equipment is not known. Many have. Others depend on trade shops to supply them with plates ready for the press. This article is addressed principally to those who are attempting to produce their own negatives, and although it may seem very elementary to the experienced cameraman, it contains some facts often disregarded.

Assuming that from the time the job leaves the cameraroom it will be in the hands of competent platemakers and pressmen, a photo-lithographic plate is either made or made a mess of in the camera. If a result which in any way simulates letterpress printing is to be produced, the responsibility for producing a plate capable of such rendition lies with the camera operator.

Recently a question arose as to whether a job had been produced by letterpress or offset. Everyone present reached for their glasses and began examining the print. Almost immediately one man said, "This was run offset. I can tell by the *shape* of the dots." In making this state-

ment this man was unintentionally depreciating the ability of most lithographic cameramen. Although dots on a lithographic print may have slightly ragged edges due to the roughness of the grain on the plate, they should be exactly the same shape as those on a letterpress print. If they are not, it is because the proper screen distance was not used (that is, unless some peculiarly shaped Waterhouse stop was used in the camera). Another unintentional condemnation of the lithographic cameramen came recently from a student taking a survey course in lithography. When studying about camera technique and operation he asked, "What is the difference between the screen used in photoengraving and that used in offset?" When told that exactly the same kind of screens were used for both he asked, "Then why aren't the dots the same shape?" He was given an opportunity to prove that they are when the screen is set correctly.

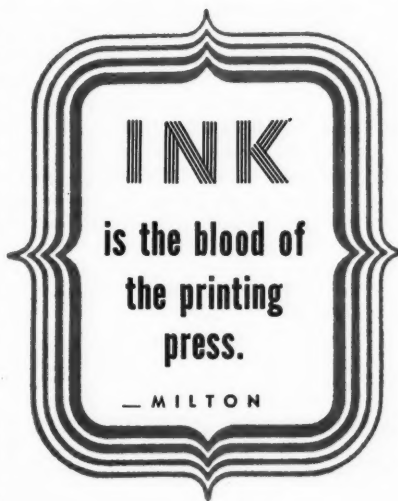
The production of fine negatives for lithographic reproduction is one of the most fascinating and complex procedures in the whole scheme of printing by the photo-offset method. A good cameraman must be an art-

ist, but at the same time he must have more than a speaking acquaintance with such exact sciences as mathematics, chemistry, and physics. He may not recognize these sciences by their formal names as he follows a prescribed routine in making his shots and developing his films, but he is applying their principles every time he places his arcs, focuses his camera, mixes his developer, or washes the final print.

Principles Not Understood

A lack of understanding of such principles is responsible for the story which has recently been making the rounds in the trade. A would-be cameraman took a job with a shop which had recently installed a camera, and since no one in the plant knew anything about the equipment, it was purchased entirely on recommendation of a reputable camera manufacturer. The owners described the type of work they intended to reproduce and the manufacturer supplied the equipment, including lenses which would do the work. No sooner had the novice cameraman taken over than he called the manufacturer's representative and upbraided him for not having supplied a fast enough lens. He wanted a lens with a speed of $f/4$ or faster. The salesman was forced to give this man a super-condensed accelerated course in optics before he was able to convince the novice he hadn't cheated the printer by selling him a lens that would only open to $f/11$.

The commercial photographer is often wont to describe a camera as "just a box with a place to fasten a lens." Although this is hardly an accurate description it does place the emphasis on the most important part of any camera. However, the engineering and design of the modern darkroom cameras used in the lithographic industry play an important role in the quality of the negative produced and in the volume of work which can be turned out.



Essentially these cameras consist of a copyboard, a lens board, and a back where the film or dry plate is placed. All three of these elements rest on a bed which is generally set on rubber or suspended from springs in order to "damp" any vibration or jar the building might receive. Both the copyboard and lensboard are free to travel along the bed and to be held in any desired position. The rear element of the camera is permanently attached to the bed and connected to the lens board by the bellows. It contains a means of holding a piece of film or dry plate in exact position and easily replacing it with a piece of ground glass. It also has a device for holding a ruled screen and adjusting and locking it into position. The copyboard, lensboard, screen (when in use), and film, dry plate or ground glass must always be in the same *optical plane* if sharp, to-scale images are to be printed or viewed. This means that all these parts must be at exactly right angles to a line drawn through the axis or the center of the lens elements.

Devices Aid Cameramen

It is the function of the bed to maintain this exact relationship at all times and in all operating positions. Its ability to do so depends on the strength of materials used, design, and accuracy of manufacture. Given the correct lens, a set of arc lamps and a camera with the features described above, a qualified photographer can make negatives which will turn out completely satisfactory for use in any lithographic reproduction.

The additional features found on a modern camera are intended only to make the work of the cameraman easier and faster. With few exceptions they will not improve on the quality of the work of which the equipment is capable. The first, and most used, of these devices is means of determining the position of the lensboard and copyboard. The simplest such device consists of nothing more than a ruler or ruled tape fixed to the bed and indicating the distance along the bed from the ground glass. Attached to the lensboard and to the copyboard are pointers to indicate the relative position of each. A rack along the bed and a pinion on each of the movable boards connected to cranks makes movement along the bed easy. This device is very accurate but requires much more time for focusing than a camera which can be regulated directly from the darkroom.

With some cameras not only can the final focusing be done from the darkroom but all distances of the lensboard and copyboard can be read directly from dials or tapes. Often the accuracy of such "improvements" leaves much to be desired. Thus a swinging ground glass, arcs which travel with the copyboard, vacuum backs, diaphragm control devices, and slide-away screen holders make the cameraman's task easier but they do not cause him to produce a better negative.

That this is not necessarily true of all gadgets can be seen from the results obtained through the use of

QUESTIONS IT'S A QUIZ

Answers to the following questions have appeared in the pages of *THE INLAND PRINTER* and other sources of information to printers at various times. How retentive is your memory? How many of these questions can you answer without turning to the answers on page 77?

1. Match the terms listed at the left with the correct procedures listed at the right:

- | | |
|---------------------|--------------------|
| a. Cross bars | 1. Electrotyping |
| b. Signature | 2. Paper |
| c. Backing felt | 3. Lock-up |
| d. Lead mold | 4. Silk screen |
| e. Bite | 5. Binding |
| f. Stripping a flat | 6. Stereotyping |
| g. Grain direction | 7. Photo-engraving |
| h. Tack and no tack | 8. Gravure |
| i. Carbon tissue | 9. Ink |
| j. Squeegee | 10. Litho plates |

2. When a proofreader works alone, the procedure is called "railroading." True or false?
3. A word underscored three times in a manuscript calls for setting in caps. True or false?
4. For deep-etch offset lithographic process, positive films are used to make the plates. True or false?
5. The shadow areas of an illustration are etched deeper in a gravure plate than are the light areas. True or false?
6. The first paper mill was established in the United States in the year 1690. True or false?
7. The first type designer to cut the roman face now used was Giambatista Bodoni. True or false?

By R. Randolph Karch

the contact rather than the ruled screen in conjunction with a vacuum back. Integrating light meters which determine the length of exposure by adding up the actual amount of light which falls on the copy regardless of the time required could likewise be placed in this category as could perhaps such attachments as the diaphragm control which can be set to continuously change at a predetermined rate during an exposure. All these tend to improve the quality of the reproduction regardless of the experience of the operator—when they are used correctly.

Since the camera in its simplest form is capable of producing good negatives when the correct lens is used, perhaps it should go without saying that a camera or cameraman can be no better than the lens or lenses available. But giving a cameraman the best lens or lenses in the world does not mean that he will produce satisfactory negatives if he does not know their ability and limitation, and how to make them perform under the conditions for which they were designed.

Class of Work Done

Where the breaking point falls between the things which are nice to know about lenses and the things which are necessary to know is rather hard to determine. It partly is determined by the class of work the operator is called on to reproduce. If he is expected only to reproduce line-drawings made in india ink on a good grade of white drawing paper or proofs of type matter prepared especially for reproduction by lithography and always to same size and always on the same kind of film, his knowledge of lenses need go no farther than knowing how to wipe off the dust without injuring them and without changing his setting. Providing no one changed the distance from the film to the lens or from the film to the copyboard or the lens aperture he could perhaps go on indefinitely putting up copy, shooting it, and turning out acceptable negatives.

But the minute any change in this routine is introduced the whole set-up is knocked into a cocked hat. Suppose that he is asked to reduce the copy by twenty-five per cent. Immediately he must have more information concerning his lens. He should want to know the *focal length* of the lens, his bellows extension, and the distance from the lens to the copyboard which will give a reduction of this amount. He should also want to know at what stop he has

been working so that no change in exposure time will be necessary. Surely, he can fumble around and find a point at which he will be able to bring the camera into focus at a reduction of twenty-five per cent. He can also play around with lens openings or exposure times until he obtains a satisfactory result, but all this is unnecessary if he knows the focal length of the lens and the f /value of the lens opening.

Knowing the focal length of the lens he can refer to one of the many tables available which give the camera extension or location of the lens board and the distance of the copy from the lens for that reduction with his lens. Actually a skilled operator would not be dependent on a table to give him his settings but would be able to calculate them. He would know that when he was making negatives the same size as the copy that the camera extension and the distance from the lens to the copyboard were equal and that one half of either of these distances was equal to the focal length of the lens. This is more accurately expressed in the following manner:

The distance from the ground glass or film to the optical center of the lens is equal to the sum of the focal length and the product of the focal length and enlargement or reduction; or Focal Length \times Enlargement or Reduction = Camera Extension.

Calculating Distances

Thus when the copy is being reproduced at equal size, the enlargement or reduction is 1. Then the focal length plus 1 times the focal length equals a camera extension of two times the focal length. Here is also the means of calculating the proper extension for any enlargement or reduction. If the copy is to be shot half-size and the camera has an 18-inch lens (that is, the focal length of the lens is 18 inches), the camera extension would be $\frac{1}{2}$ times 18 plus 18 or 27 inches.

In like manner the distance from the lens to the copyboard can be calculated. Although equal to twice the focal length at same size reproduction it is more accurately expressed as follows: The distance from the optical center of the lens to the copy is equal to the sum of the focal length of the lens and the focal length divided by the enlargement or reduction; or focal length plus focal length divided by enlargement or reduction equals distance from lens to copy.

As before, the copy which is being reproduced to same size has an en-

Ever hear of bourgeois type?

To the younger printers today, type sizes such as bourgeois, brevier, and brilliant may mean nothing. But some of the old-timers will recall the "good old days" when each different type size had a name instead of a "point" number.

For before the adoption of the "point" system, type sizes were designated in a very haphazard manner. Arbitrary names were assigned to the various sizes, and in some instances types of the same name cast by different type foundries varied so much in size that they could not readily be used together.

Only a few of these old names still survive and are applied to the point size which they approximate. Below is a list, with the corresponding point size.

POINT SIZE	OLD NAME
3-point	.. excelsior
4-point	.. brilliant
4½-point	.. diamond
5-point	.. pearl
5½-point	.. agate
6-point	.. nonpareil
7-point	.. minion
8-point	.. brevier
9-point	.. bourgeois
10-point	.. long primer
11-point	.. small pica
12-point	.. pica
14-point	.. english
16-point	.. columbian
18-point	.. great primer
20-point	.. paragon
22-point	.. two-line small pica
24-point	.. two-line pica
28-point	.. two-line english
32-point	.. two-line columbian
36-point	.. two-line great primer
40-point	.. two-line paragon
44-point	.. meridian
48-point	.. canon

Included in the list are several sizes, 16, 20, 22, 28, 32, 40, and 44-point, which are seldom found in contemporary types. American foundries have tended toward simplification and standardization in type founding, for which today's compositors may be grateful.

largement or reduction of 1 and the distance from the lens to the copy equals the focal length plus the focal length divided by 1, or twice the focal length. Thus when the copy is to be shot half-size through an 18-inch lens the distance from the lens to the copy = $18 \div \frac{1}{2} + 18$ or 54 inches.

For the more mathematically minded these two distances can be expressed with these formulas:

Camera extension = $(1 + R)f$
 Lens to copyboard = $(1 + 1/R)f$
 R is the reduction or enlargement.
 f is the focal length of the lens.

In the earlier illustration the cameraman was required to reduce the size of the copy by twenty-five per cent or one-fourth. This means that it is to be shot seventy-five per cent or three-fourths original size. Applying the above rules or formulas to the problem and presuming that the focal length of the lens is 20 inches, the camera extension then becomes $20 + \frac{3}{4}$ of 20 or 35 inches. Distance from lens to copy will be $20 + 20 \div \frac{3}{4}$ or 46⅔ inches.

Reduction of the Copy

Frequently the beginner and sometimes the more experienced photographer wonders why half the length of the *principle focus*, or the distance at which objects are in focus at same size, is considered to be the focal length. An examination of the above relationships between the distance of the copy from the lens and the camera extension will give a clue to the reason. As the size of the image becomes smaller, the distance from the lens to the back of the camera approaches the focal length of the lens. Thus if the subject is to be reduced to one-twentieth of its original size and a 20-inch lens used, the camera extension would be 21 inches or only one inch greater than the focal length.

If the subject is to be reduced to one-one-hundredth of its original size the camera extension would only be 20.2 inches. In order to make such reductions with the 20-inch lens it would be necessary for the copy to be placed 420 inches from the lens for the one-twentieth reduction and 2,020 inches for the one-one-hundredth reduction. If the object being photographed is the sun or some star, the object would be in focus, for all practical purposes, at exactly the focal length of the lens. When a reading glass or hand magnifier is used as a "burning glass," the distance from the center of the lens to the object to be burned is the focal length of the lens.

The second problem that the cameraman, who had been in the habit of making all shots at same size, encountered was that of exposure. His first step would be to move his arcs so that they would occupy the same relative position to the copyboard as they did before it was moved. Even though in this instance it only means moving the lights a distance of $6\frac{3}{4}$ inches, the loss of light intensity on the copy is far greater than this small figure would indicate.

Differences in Light Intensity

This difference in light intensity is *not* in direct proportion to the distance but to the *square* of the distance. The exact law governing this relationship states: The amount of light received on a surface of a given area from a given light source is inversely proportional to the square of the distance from the source to the surface. Thus the intensity of light falling on a surface two feet from an arc would be one-fourth as great as it would be on a surface one foot distant; a surface three feet away would only receive one-ninth as much light; one four feet away would receive one-sixteenth as much; and one five feet away would receive one-twenty-fifth. Not only is the distance increased but also the angle at which the light strikes the copy is changed. This, too, varies the amount of light which is reflected from the copy into the lens. Some modern cameras have the arcs attached directly to the copyboard, and as it moves, the lamps move with it.

Still another complexity enters the picture when a reduction is made. The light reflected from the copy and entering the lens is concentrated on a smaller portion of the film. Hence a shorter exposure will be required unless the amount of light which is focused on the film can be reduced. When an enlargement is made, the reverse condition exists. By proper manipulation of the iris diaphragm in the lens the exposure may be kept constant for any camera extension. Many cameras are furnished with lenses which have a lens chart attached. Various settings of the lenses opening may be made by moving the pointer to the proper mark. There are devices which fasten onto the lens board which indicate what this setting should be for any camera extension. The movement of the lensboard causes the instrument to show the correct setting for each position.

When a camera is not equipped with a diaphragm control device, the operator by knowing at which lens

opening he was working when making negatives at same size may refer to a table which will list the lens openings to be used for various percentages of reduction or enlargement. Assume that in the illustration previously used the operator had been working with the lens open to $f/32$ which is one of the most common openings used. In order to make an equivalent exposure of the copy reduced by 25 per cent he would read from his table that his lens should be stepped down to $f/36.6$. By setting the pointer to this reading he could give the same exposures as he had been giving for same size images.

If the camera is not equipped with a lens chart and pointer, one can be made by fastening a rigid pointer about three to four inches long to the lens collar, and drawing the chart on paper which is fastened above the pointer on the lens board. Each of the lens openings which are etched on the lens collar are first marked on the chart by setting the lens to these points and marking the corresponding position of pointer. The intervening spaces are then di-

vided into convenient equal parts. This type of chart will do very well for all line work.

It will be noted that in the foregoing paragraph the operator found his new lens setting by referring to a table which listed the settings according to the $f/$ value at which he was working. No mention was made of the focal length of the lens he was using nor does there need to be. This table applies to a lens of any focal length, since the $f/$ value itself is a function of the focal length. Built into the lens system and regulated by the collar or pointer previously mentioned is a very cleverly conceived device. It is made up of thin metal leaves which interlock in such a manner that they can form an approximately round opening. When the collar or pointer is moved these leaves slide in or out to form a larger or smaller opening. Thus it is possible to form an opening of any diameter within the limits of the device.

As one observes this diaphragm opening and closing he is reminded of the expansion and contraction of the pupil or iris in a human eye—

Promote Safety in Your Plant

**There is no better
safeguard than a
man's own mind
—if he keeps it
on his work**

More and more printing plants are developing plant safety campaigns which include thought-provoking posters such as the one above (suggested by the Meredith Publishing Company, Des Moines, Iowa). With a little time and effort you can originate and print some safety slogans which are applicable to your plant. Accident-prevention factors such as this are worth their modest cost

hence its name, *iris diaphragm*. The diameter of the opening divided into the focal length of the lens gives the $f/$ value of the lens. When the opening is two inches in diameter and the lens has a focal length of 18 inches the lens is considered to be open to $f/9$. If the opening is two inches and the focal length of the lens 20 inches the lens is open to $f/10$. If the opening is only one-quarter inch and the focal length 20 inches the lens is stepped down to $f/60$. It can be seen that the higher the number, the smaller the opening; and the larger the opening, the smaller the number. Since all lenses lose some of their ability to produce sharp images at the edges, the largest opening which can be used and still produce a sharp image is considered to be the speed of the lens. For this reason lenses are rated as having a speed of $f/4$, $f/6$, or $f/11$.

All lenses have an opening at which they will give the sharpest images. This is generally in the neighborhood of $f/32$. Hence this stop is most often selected for use in producing line work and variations based on it made use of for halftone work.

(Discussion of this subject will be continued next month.)

ANSWERS IT'S A QUIZ

Here are the answers to the quiz on page 74. How well did you remember the information which you have read from time to time in previous issues of this magazine or have seen elsewhere?

1. a, 3 or lock-up; b, 5 or binding; c, 6 or stereotyping; d, 1 or electrotyping; e, 7 or photoengraving; f, 10 or litho plate making; g, 2 or paper; h, 9 or ink; i, 8 or gravure; j, 4 or silk screen.
2. False. When a proofreader works alone it is called "horsing." "Rail-roading" is doing no proofreading whatever.
3. True. One underscore means italic; two, small caps.
4. True. Negatives are used when making albumin plates.
5. True. The etched cells must hold more ink.
6. True. William Rittenhouse set up the first paper mill near Philadelphia in 1690.
7. False. It was Nicholas Jenson, about 1470, in Italy.

An Ambitious Printing Ink Research Project Now In Third Year of Operation

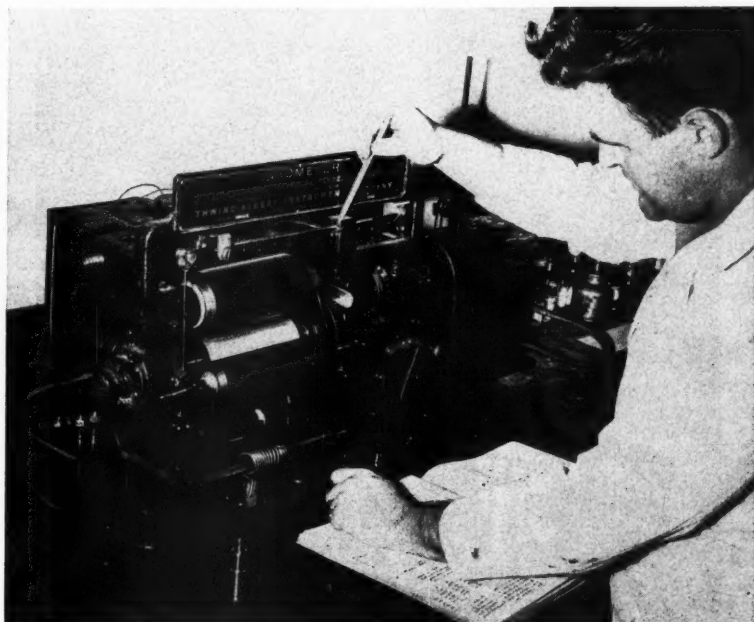
By RANALD SAVARY

NEW YORK EDITOR

● AN AMBITIOUS printing ink research project which is expected to help considerably in meeting the demands and increasing efficiency of modern high-speed presswork will complete its third year of operation in the spring of 1949. Sponsored by the National Printing Ink

ing Ink Research Institute were joint hosts for the occasion.

Preceding a guided trip through the laboratories, the basic objectives of the project were outlined to the visitors by the research heads—Dr. A. C. Zettlemoyer, director, and Dr. W. C. Walker, associate director.



Equipment at Lehigh includes the Inkometer, an instrument that resulted from studies by the Lithographic Technical Foundation. It gives much valuable information on physical properties of an ink. Many ink manufacturing plants use it to maintain the uniformity of both letterpress and offset inks.

Research Institute, established in February, 1946, by some two dozen ink manufacturing and supply firms, the research is being conducted in the science laboratories of Lehigh University, which is located at Bethlehem, Pennsylvania.

First official inspection of the project was accorded representatives of the graphic arts trade press on November 13, 1948, during a day-long tour from New York. Lehigh University and the National Print-

These objectives fall into three main categories, termed industry problems, fundamentals, and testing methods and equipment.

In the first category, the chief subjects of research currently are drying qualities, the greasing of lithographic inks, and new materials for the industry.

In the dryer research, one problem attacked is that of the loss of drying qualities during storage periods. Experiments were conducted, for



example, with the mixing of beef blood hemin in the inks. This was found to be remarkably successful in holding the drying qualities, but too costly for commercial purposes. The next step was to compound substances chemically related to hemin. Dr. Zettlemoyer reported that some of these were found able to do the job, and the substances were commercially practical.

Research in the greasing of litho inks was inaugurated to solve the problem of grease being left on the plate after the offset impression. The laboratories designed a special offset plate for this purpose which could take split-fountain impressions from two different inks simultaneously so the results could be compared.

Among new materials, there was mentioned work with petroleum drying oils as ink ingredients. They were found to be too "short" to pigment well, and research is being conducted to see how they can be improved.

Study Ink Behavior

Research upon fundamentals is placing emphasis on study of the behavior of printing ink, its flow properties, and the relation of the vehicle to the pigment. Dr. Walker pointed out that, chemically speaking, not enough is known about what actually happens to the ink when the ingredients are mixed, or their chemical reactions upon each other during the various steps of manufacture, distribution, and press runs. One major project has been a study aimed at reducing the minute particles often remaining in the ink after it is ground—a factor that directly affects printing results.

Work on methods and testing equipment is, of course, tied up basically with the experimentation. In fact, setting up a system of methods and subsequent analytical procedures, plus installation of instruments and machinery, must be accomplished before any constructive research can be done. It is this part of the general project that has consumed much of the time and effort so far. It is felt that the point has now been reached when tangible accomplishments will come more rapidly.

Two devices have been specially developed at the laboratories for

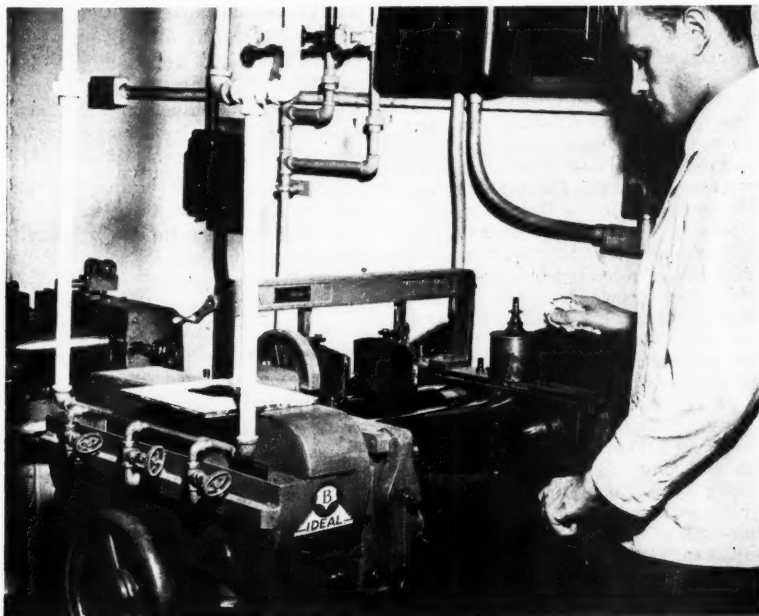
Left, above: "Grindometers" are graduated lengthwise. Slider compresses sample of ink against coated surface. Scratches caused by particles in ink at various points determine fineness of grind. At left: Rotational Viscometer for measuring flow properties of printing ink is part of the research equipment at Lehigh

their purposes. One is a "grind gauge" that records scientifically the presence and size of pigment particles in the ink after it is ground. Another is an instrument that measures rates of drying.

The other equipment includes a "weatherometer" which duplicates, in speed-up time, conditions of sun

reason those in charge of the project at Lehigh are anxious to receive as much co-operation as possible from research groups in other branches of the graphic arts. To this end, considerable attention has been devoted to setting up what the researchers term "a common language" to describe the tests and evaluate their

center for many industrial research projects," thus affording the Institute an opportunity to use its facilities when necessary. Also, Lehigh faculty members are available to fill administrative positions. Lastly, "a number of students are being helped toward advanced degrees by the Institute's fellowships and are being trained to fill the needs of industry for technical men."



Included in "the world's most completely equipped laboratories for printing ink research" at Lehigh University are three-roller ink mills, such as the one pictured above. This research project is sponsored by the National Printing Ink Research Institute, made up of most leading ink manufacturers

and exposure for testing the effects of outdoor weather on printed matter; a "viscometer" for measuring viscosity characteristics of inks; the inkometer for measuring analytical balance; three-roll ink mills; a high-speed centrifuge; Hoover muller; photo-micrographic equipment; a letterpress proofing press; and a duplicating offset machine.

The Institute believes the laboratories are the most completely equipped exclusively for printing ink research of any in the world.

Co-operation Invited

As the research progresses, co-operation of the other branches of the graphic arts is being invited, through the realization that the final product — printing — is a blend of many elements. Final results of the ink research when it reaches the conclusive test of running a commercial job depend on its relations to paper, plates, type, and press performance. Laboratory research, therefore, is more successful if it can combine work in all these elements. For that

results, so that scientists in different but related fields can have a basic formula of terms and procedure.

The Institute states that the choice of Lehigh as the site for the research was "motivated by several important considerations." First is the university's reputation "as a



**It is the mission
of the printer to diffuse
light and knowledge by
judicious intermingling
of black and white.**

—Frederick Douglass



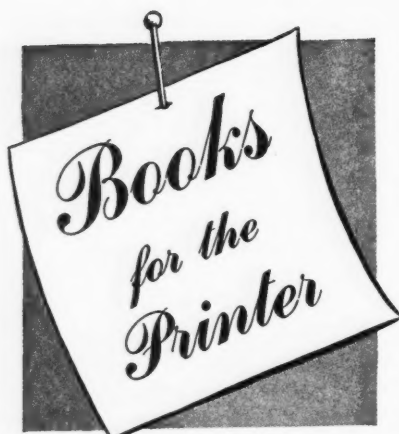
These Are Member Firms:

Member firms which support the National Printing Ink Research Institute are: Bensing Brothers and Deeney; Braznell Company; Braden-Sutphin Ink Company; California Ink Company; Canada Printing Ink Company; Capitol Printing Ink Company; Charles Eneu Johnson & Company; Charles Hellmuth Printing Ink Corporation; Crescent Ink & Color Company; Gaetjens, Berger & Wirth, Incorporated; Hill-Hentschel Company; Hilton-Hawley Company; Howard Flint Ink Company; Wm. C. Herrick Ink Company; J. H. and G. B. Siebold, Incorporated; J. M. Fry Company; Lewis Roberts, Incorporated; Martin Driscoll & Company; Morrison Printing Ink Company; Ralph Leber Company; Sinclair & Valentine Company; (also S. & V. of California and S. & V. of Canada); Sleight Metallic Ink Company; (also S. M. I. Company of Pennsylvania); Texas Printing Ink Company; Triangle Ink and Color Company.

A. J. Math, Chairman of Board

Anthony J. Math, president of Sinclair & Valentine Company, New York, is chairman of the board of trustees of the Institute. Other members of the board are: Stuart Braznell (Braznell Company, St. Louis); Martin Driscoll (Martin Driscoll & Company, Chicago); Howard Flint (Howard Flint Ink Company, Detroit); Englebert Smith (Crescent Ink & Color Company, Philadelphia). The technical advisory committee is headed by G. L. Erickson of the Braden-Sutphin Ink Company, of Cleveland, Ohio.

On the occasion of the inspection tour, the visitors were welcomed by the Lehigh president, Dr. Martin D. Whitaker. Dr. Harvey A. Neville, director of the University's institute of research, made a brief talk in which he characterized modern industrial research as being an expression of the free enterprise system, under which the forces of government, education, industry, and the individual combine for mutual help and benefit.



**AS A SERVICE TO OUR READERS,
THE BOOKS REVIEWED HERE MAY
BE ORDERED DIRECT FROM OUR
BOOK DEPARTMENT**

THE LONDON COMPOSITOR, edited by Ellic Howe, presents numerous documents, with comments by the editor, bearing on negotiations between the employing printers and the journeyman printers of London, England, leading up to and following formation of the London Union of compositors which was organized during 1834. The documents cover the period from 1785 to 1900.

Prior to the formation of the London Union of Compositors in 1834, the journeymen had been represented by the Union Society, which was founded in 1801, and later by the London Trade Society of Compositors, which was formed in 1816. The London General Trade Society of Compositors was formed as a rival organization in 1826. Later, in 1832, the two societies combined in forming what was called the Union Committee of the London Trade Societies of Compositors, six representatives from each society comprising this Union Committee.

The book may well be called a history of the negotiations between the London employers and their workers from the time when printing was a purely manual craft, through the transition from manual to mechanical operation, and the emergence into a fully mechanized industry.

Much of interest and value from the historical viewpoint is recorded, both in the documents reviewed and in the comments by the editor. The change from hand presses to mechanically operated presses; the early efforts to introduce stereotyping; the introduction of the early typesetting machines, climaxed by the entrance of the linotype and the monotype; the changes in the technique of presswork, these and other phases of the development of printing up to 1900 are brought out, and it is interesting to note the opposition which these mechanical developments encountered at the hands

of the workers who were fearful they would encroach on their chances for employment.

"The London Compositor," edited by Ellic Howe, and published for Bibliographical Society, 528 pages, may be ordered through THE INLAND PRINTER book department.

GRAPHIC ARTS PRODUCTION YEAR-BOOK, edited and published by Leo H. Joachim, is an encyclopedia of information pertaining to the graphic arts, filled from cover to cover with helpful material of value to those dealing in any way with the production of printed matter. The contents are classified under eight divisions: Art and Photography; Photoengraving; Electrotypes—Duplicate Plates; Paper; Printing Processes; Binding, Mailing; Typography; Buyers' Guide—Index.

New processes and techniques, as well as short cuts in production, are reviewed in special articles. Ways in which new color effects and designs can be attained are explained by articles and charts. Aids for the production worker and the art director are given, including a type visualizer for quick selection of a large number of type-face combinations.

Among other features included are the following: Estimating tables for fitting type, calculating costs of engravings and electrotypes, determining sizes of enlarged or reduced copy; tables to facilitate estimating of paper requirements, spoilage and thickness; diagrams showing practical impositions for all kinds of printed matter, also tables of shipping times and rates, and other information.

Right and wrong kinds of copy for newspaper reproduction are illustrated, also a demonstration of what ninety-eight art and plate-making techniques can do for one subject. Likewise, shading media, photostats, original and duplicate plates, printing papers, binding styles, finishing and coating operations, are all treated.

Other special articles cover such subjects as news color, color photography, wet printing, poster production, printing on unique materials, duplication methods.

"Graphic Arts Production Year-book" is published at \$15 a copy, and may be ordered through THE INLAND PRINTER book department.

PRINTING designers, lettering men, and artists interested in unusual alphabets—particularly styles with a Continental flavor—will find ideas and inspiration in a new manual of Alphabets by Imre and Hedwig Reiner. Twenty-two 9½- by 7¼-inch pages, printed in black on a nice white stock, contain Uncial, Roman, Black Letter, and Old German alphabets, as well as several versions of present-day lettering styles. Some alphabets include only capital letters; most are complete with lower case. The price is \$2.50, and the book may be purchased from the book department of THE INLAND PRINTER.

Here is a Comprehensive Chart to Help You Clear Up Ben Day Headaches

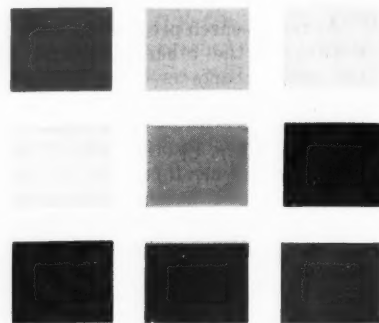
● BEN DAY tints, printed in colors as well as in black, provide the designer of printing with a working tool almost unlimited in scope. The effects which can be achieved are extremely varied, unusually striking and attractive, and have considerable practical value in the preparation of such items as graphs, charts, maps, diagrams, *et cetera*.

However, one of the major problems in connection with the use of Ben Day has been the lack of standardization in values. Some photoengraving houses offer a limited selection of tones which they designate as "A" value, "B" value, *et cetera*, which designations are of course meaningless to anyone unfamiliar with their system. Another photoengraver may offer quarter-value, half-value, and three-quarter value tints, but the values may not be uniform from time to time.

To clarify this confused situation, THE INLAND PRINTER presents the accompanying chart of Ben Day values arranged in steps of 10 per cent from 100 per cent value (solid) down to a value which is 10 per cent that of a solid.

So that the designer or printer and his photoengraver will be "talking the same language," there is a duplicate set of tints printed in black. One set can be clipped out on the broken line and sent to the photoengraver for his reference; the other is to be retained by the designer, printer, or individual who orders photoengravings.

The charts on this page are 120-line screen. Using a finer or coarser screen does not alter the value in any way. However, the most attractive results are usually obtained by using as fine a screen as is practical.





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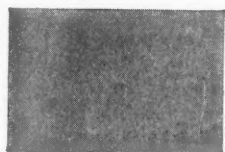
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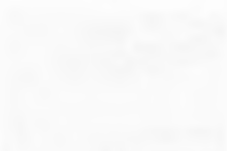
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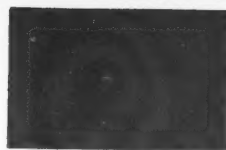
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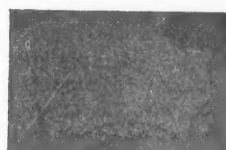
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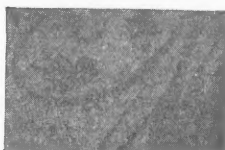
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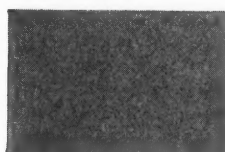
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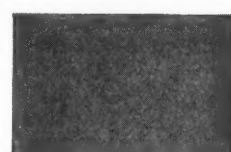
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Beat that deadline!



The Inland Printer's contest closes soon!

★ Yes, time's a wastin'. The Inland Printer's big cover design contest ends December 31, 1948. To be eligible your entry must be postmarked not later than that date.

Don't miss out on a wonderful opportunity to win a worthwhile prize and get some valuable publicity as designer of a cover of the world's leading printing journal.

It's all free, of course. You don't have to sell any subscriptions or get a sales slip from your grocer. Just dream up a good cover design for The Inland Printer, put it down on paper, and get it in the mail now.

First prize is \$100 cash, second prize is \$50, third prize \$25, and fourth prize \$10. Besides these awards the five next-best entries will each be rewarded with a copy of Charles J. Felten's book on "Layout."

Anyone may enter—layout men, artists, typographers, designers—all are welcome. Entries may be comprehensive layouts or rough sketches (it's the idea that counts).

Follow the simple rules—except for a few mechanical limitations you have lots of leeway. But, most important of all, get that idea on paper and get it in the mail. Good luck!

HERE ARE THE SIMPLE RULES:

1. Design is to be for the front cover of The Inland Printer magazine.
2. Make your layout actual size: 9 by 12 inches. Design may bleed on any or all sides.
3. Make layout as comprehensive or as rough as you wish (it's the idea that counts).
4. Make layout on white stock, using any technique which can be reproduced in not more than three colors by the letterpress process on enameled stock.
5. Copy must include: The Inland Printer. Name of month (you may choose any month of the year), 1949.
Copy may also include: "Leading Business and Technical Journal in the Printing and Allied Industries." Your name, initials, or whatever device you use to identify your work.
6. There are no limitations in the use of type, decorative material, hand-lettering, stock cuts, original artwork, half-tones, or Ben Day.
7. Send in as many entries as you wish. Be sure that your name and address appear on the back of every entry you submit.
8. Mail your entry not later than December 31, 1948, to: Contest Editor, The Inland Printer, 309 West Jackson Boulevard, Chicago 6, Illinois.

CONTEST CLOSES DECEMBER 31, 1948

I-P CONTESTS PAY OFF DOUBLE—PRIZES AND PUBLICITY!

Make the Most of Possibilities of Copy To Secure Full Printing Value of Plate

● ACHIEVEMENTS made possible by research in new industries have been responsible through suggestion for the recent surge of research in the graphic arts. All jobs of printing start with the copy and its intelligent preparation largely determines the faithfulness of the reproduction. The byword long has been "Get it in the negative," for obvious reasons, but "Get it in the copy" is more to the point since negative and subsequent steps cannot improve the copy, only approximate it at best.

A thumbnail sketch of the many factors in making the most of the qualities is visualized by terms like lighting, foreground, center of interest, reduction and enlargement, strength and sharpness of line, and so on. Even in natural color photography success depends on making the most of the copy. Master photographers tell us that lighting is the most important single factor. Granted that this is true, intelligent arrangement of the units in the copy when possible and always any manipulation of color which will improve the effect of the lighting will prove to be aids to much better reproduction.

Halftones Cause Problems

Too much stress cannot be placed on the importance of making the most of the copy, for the whole story of reproduction may be summed up in the statement that it is a struggle all along the line of workers in the various trades in the graphic arts against a gradual falling away from the clarity and harmony of good copy.

The only known means of reproducing art or natural objects with an approach toward accuracy is the continuous tone photograph. If this continuous tone picture is to be reproduced on a printing press, the closest approximation is by photogelatin printing, as yet too slow for general commercial use.

In letterpress, a relief or cameo process, for practical reasons due to the mechanics of the process, it is necessary to break the continuity of tones of the photograph by means of the halftone screen so that what the reader sees is an il-

lusion. He evaluates the letterpress reproduction on the basis of its resemblance to the original art.

The eye reads the tops of lines of letters and *outlines* first. So if typographic printing is clear in outline while not as well inked as it should be, it generally passes scrutiny by the eye.

Halftone printing, both single color and process, presents a different problem. It is generally agreed that the most advanced photo-mechanical technique at present can attain a reproductive value of about seventy-five per cent of the original copy in color process and any further improvement is dependent on the skill of the retouching artist and that of the photoengraver.

Uneven Inking Rims Dots

After the best efforts of the photographer and the retoucher have been translated by the photoengraver into a halftone printing plate, the net result is shown in the engraver's proof, which is an attempt to bring out the full printing value of the plate.

It should retain not only the *outlines* of the ultimate units of the plate, the dots, but must also show *uniform inking* of the dots, which is needed to bring out the entire tonal gradation obtained in the dots. Otherwise a close approach to the effect of a continuous tone picture cannot be obtained.

A skillful proofer with that modern tool, the precision proof press, succeeds in bringing out the full printing value of the halftone printing plate, but how often is this done in the run on the production press?

Here the weakness is not in retaining the outlines of the dots so much as uneven inking. The common complaint is that while the dots are heavily rimmed with ink (sometimes referred to as a halo), the inking toward and in the center of the dot is insufficient and often spotty so that the tonal value of the dot is greatly diminished,

thus nullifying to a considerable extent the reproductive accomplishment in the combined efforts of the artist, photographer, retoucher, and photoengraver.

Since the over-all printed effect is but the blending of the effects of myriads of dots in a plate, it is obvious that microscopical examination of the halftone dot in various conditions of use affords the best approach to a scientific study of the physics and mechanics of the letterpress process. Every dot is a miniature printing plate and every typographic character in a form, even the smallest period or comma, is a miniature form in a relief or cameo (letterpress) printing process.

The prime factors in printing are the form (type and plate), the ink, the paper, the press (with inking system), and the skill of the operator in presswork. Printing has been defined as pressure without slur. Since the form, ink, and presswork must be suited to the paper which carries the final result, the surface of the paper is important. In theory the surface of the paper should be as uniformly level as the printing surface of the form to obtain a film of ink of uniform thickness on paper. The microscope shows that such a film is seldom obtained in production except on metal foils or on special surfaced paper.

Control Density of Impression

The printer controls the density of impression by pressure and ink supply. A rough-surfaced or uncoated paper requires more pressure than a coated or other smooth-faced sheet because the fibers in the former must be compressed to present a uniform, solid level which can take the ink in a uniform film.

And still considerable pressure is used to print on some papers with smooth surface, such as greaseproof. So it appears that pressure is applied for two reasons, to level an uneven surface of paper and to make the ink adhere to the surface of the fibers in the paper. Pressure is required to wet the fiber surfaces with the oil-varnish vehicle of the ink.

By EUGENE ST. JOHN

Cellulose, of which all vegetable fibers used in papermaking are composed, is a hydrophilic colloid, easily wetted by water but oil-repellent. Gelatin is also a hydrophilic colloid and both tub-sized papers, with gelatin as sizing. Gelatin-coated papers, like coated stocks which carry a coating of gelatin (glue) and clay, require considerable pressure because these colloids are oil-repellent.

Ink to Suit Paper

Contrariwise, rosin is a hydrophobic colloid which repels water and is easily wetted by oil. Engine-sized papers containing one to two per cent of rosin are more easily wetted by the oily ink. Rosin assists in the uniform distribution of the ink film but also assists in the penetration of oil so that excessive rosin sizing is not advantageous. The importance of the composition of the paper and such surface-tension effects is quite clear under the microscope lens.

The most striking aspects in a microscopical examination of the impression are unequal distribution of ink and, consequently, how much depends on outline.

Several characteristics in the unequal distribution of the ink film may be distinguished. The ink is repulsed by the fiber surfaces. These are difficult to wet with the oil-varnish vehicle of the ink even under pressure and the result is a tendency of the vehicle to run or be forced into the spaces between the fibers, termed capillaries.

Very noticeable is the gathering of the film of ink toward the margin of the dot, partly due to the repulsion of ink by the fibers. This effect is seen on new plates and becomes more noticeable with wear of the edges of the dots. It is greater on paper with a highly glazed surface and minimum interfiber space. On papers of rougher surface and more interfiber space, there is a tendency to force the vehicle into the latter.

Enamelled coated paper is the smoothest of printing papers. The ink is applied, not to a fibrous surface, but to a coating of fine clay mixed with an adhesive such as glue, casein, or starch, and given the enamel finish by one of several coating methods. On these papers the heavy margin of the dot is most pronounced. Repulsion of ink by the gelatin (glue) surface, pigmented with clay, is most marked. Inside the heavy margin, the ink is patchy and spots may be observed where the ink has refused to take.

On s. and s. c. paper the marginal rim and outline is not so marked and sharp as on the coated paper—"less halo," the inkmaker would say. The fibers are broad and ribbon-shaped and in spite of clay loading and high finish there are numerous interfiber spaces (interstices) into which the vehicle has been forced and repulsion of ink by the fibers is marked.

On m. f. paper with a smooth or mat machine finish, the marginal rim is still present but not so marked. Within the dot the ink is more uniformly distributed than on the coated and s. and s. c. papers. The repulsion of ink by fiber is still visible but not so pronounced.

On bible paper the halo is least distinct and the ink coverage most uniform so that a good rendering of the dot and plate is obtained.

On rough m.f. newsprint all semblance to a regular outline vanishes and the impression is principally a filling of large interfiber spaces which equal that of the fibers in area.

From these comparisons we may deduce that uniform inking is most difficult to obtain on a highly glazed sheet, even more than on a rough paper and is easiest obtained on closely made paper with moderate finish.

The fiber surface itself tends to repel the oil-varnish vehicle so that we are dependent upon interfiber space to hold it, to a considerable extent. The interfiber space is reduced too much in many highly glazed papers, while in rough papers the interfiber space is too great. The happy mean is seen in the closely made, nearly level sheet, presenting the correct amount of interfiber space which is uniformly distributed.

Co-ordination of Effort

While the screen of the halftone, the ink, and the presswork must be suited to the paper for best results, it should not be concluded that paper alone is the crux of the problem. Best results are obtained by coordinating the efforts of papermaker, platemaker, inkmaker, press manufacturer, and printing pressman. That it is not unattainable may be surmised from the fact that well-linked dots may be regularly seen in engravers' proofs and less frequently in production. And, of course, with this condition met, the well-defined outline naturally accompanies the uniformly inked dot.

The foregoing conclusions, arrived at by means of the microscope in an impartial examination,

are subject to qualification. While papers vary and present surfaces more or less favorable to the reception of ink, these differences may be almost entirely leveled off by suiting the screen and the ink to paper, plate, and press and employing skillful makeready.

Proper Selective Makeready

Basically, the rimmed edges are caused by too much pressure on the edges which causes them to indent the tympan (drawsheet). The excessive pressure breaks the level of the tympan which then presents a rounded surface at point of contact with the edge of dot. This results in more pressure on the edge and less toward and in the center of the dot. Consequently the excess pressure on the edge applies more ink there and less in the center because the pressure on the edge "bears off" the impression in the center of the dot where with less impression, or squeeze, less ink is transferred from the center of the dot to the paper. A perfect illustration of this physical phenomenon is found in a flat impression of a vignettted halftone. The center of the vignettted halftone will print very broken, somewhat stronger approaching the edge, while the edge will present the familiar marginal outline. In other words, this print (flat) of a vignettted plate is a magnification of the print of every unit of the form when strongly printed without proper selective makeready. That this is so is shown by the rounded edge produced on the smallest type period and halftone dot by wear where the edge had indented and rounded the surface of the tympan.

The rounding off or wear of edges of the dot and type characters is produced under excess pressure by fine particles of grit, present to a small extent in the paper and the ink, and predominantly in atmospheric dust in the printing plant. Since it is essential that characters and dots be sharp and clean, this is insured by frequent casting of new type or by plating type and plates with harder metals, or by the heat treating.

It is axiomatic that the form should be level and type-high. This is taken care of by pretesting and premakeready which correct errors in height of units of the form. The variety of tones in the surface of type faces of widely different size and mass, and particularly all the tones provided by the various halftone dots, is cared for in selective overlaying, which grades the

thickness of overlay to the steps in the scale of tones of the so-called halftone plate: highlights, second lights, the mid (half) tones, semi-solids, and solids.

Mixed Forms Need Care

A weight of one pound resting on a plate exerts a force of one pound on the plate. If the area over which the force acts is known, then the average force acting on unit area is found by dividing the force by this area. The quotient found is called the pressure which is commonly measured in pounds per square inch in printing. Should the pound weight rest on an area of one-tenth square inch, then the average pressure is ten pounds per square inch.

It is obvious that relatively high pressures can be obtained with low forces if the area of application is small, such as the pressure on the point of a needle as in halftone dots, thousands of them to the square inch.

Through various systems of leverage, printing presses apply a force to the form. If it is mixed, it is generally made up of small units, halftone dots and type characters of various sizes, so that pressure varies from unit to unit of the form.

In a mixed form of halftones and a solid plate, the pressure on the solid equals the force acting on the

unit area of the plate. In the tones of the non-solid plates, the printing area in unit area of plate becomes progressively smaller toward the highlights. It is this area (printing surface) which contacts the tympan and supports the over-all constant force. The pressure on the printing area becomes progressively higher as the tones lighten. Such excessive pressure causes the highlights in flat impressions to reproduce as relatively heavy tones, with heavy marginal rims. The deepening of tone is due to the dot indenting the sheet so that it prints partly from the side (over the edge), and to the excessive ink deposit near the inside of the edge and on it, which frequently squashes. The result of the excess pressure is that the openings between the dots are diminished so that the highlight is lost.

Importance of Pressure

Because of the importance of the pressure on the edge of ultimate units of the letterpress form it may be noted that with an absolutely level form, a very hard packing equally level as it contacts the form, line by line around the cylinder, and all other mechanical printing conditions perfect, pressure on the edge can be held at minimum.

As these ultimate units together support the over-all pressure of the

tympan, it is obvious that if the pressure is not nicely regulated and the tympan is soft instead of hard the edges will receive excess pressure because the over-all constant force receives no support from the etched blank spaces between the dots and the pressure that would fall on these blanks if they were units of the printing surface of the form is largely carried by the edges of the units between these blanks.

Skimping on Makeready

Because of production demands today makeready is skimmed as much as possible to get by at minimum cost. Paper yields enough to offset a difference of a mil or two in height of units of the form and a heavy supply of ink safeguarded by sheet heaters and anti-offset sprays enables a "makeready with ink" to be tolerated on many jobs.

As a result of this skimping on makeready, many printed pieces may be read by the embossment on the reverse of the sheet with consequent punishment of the edges of the units of the form.

If a customer notes the embossment on the back, he is told that such a thing as a kiss impression is a dream and that it takes three or four thousandths of an inch in caliper of paper to supply the pressure needed to print after the drawsheet is level with the bearers.

Because of the pressure distribution in halftone plates, clean highlights and dense solids cannot be printed letterpress with a flat impression in a plant running on production. Under the most favorable conditions, a single proof or a few proofs may be pulled on a precision proof press by a skilled proofer, who operates slowly with an ink that could not be used practically in production runs.

Another reason why the technique of the proofer is not adaptable to production printing is the compression, embossment, and final breakdown of the packing on the cylinder which must then be replaced at least to the extent of a new drawsheet (tympan). Otherwise the print will be broken in spots and unduly heavy in others. This replacement is necessary in a long run because when compressed, paper does not recover its initial thickness.

In all major printing processes, ink is materially of the least importance, less than three per cent of the cost, but practically, ink is at least of equal importance to the paper. In the final test, what we



“WHOPPER STOPPER”

From the Von Hoffmann Press in St. Louis comes this clever cutout aptly labeled "Whopper Stopper." It is copyrighted by The Sportsmen's Club of America, and has the stamp of disapproval of the George Von Hoffmann Liars Club of St. Louis. Fishermen who are wont to exaggerate about "the one that got away" are supposed to put their hands through the die-cut holes with which handicap they are somewhat restrained in their demonstration of the dimensions of the fish in question. The piece is colorfully printed in yellow and green on heavy white card stock.

see is ink on paper and its effect should crown the efforts of all. A bad running ink is very expensive today even if it delays the press(es) only for a half hour. You can't save money by using cheap ink.

Two extremes are required in letterpress inks—tack and grease. The ink must be tacky enough to adhere to the paper, soft enough to leave the plate or type clean after the impression, greasy enough not to pick or pull the paper surface, heat the rollers, or slow down the rate of speed of the press. When you consider a magazine page ad in four colors and six million dots and recall that this is but one page of a much larger form, you may visualize the importance of the right ink for the paper, plates, and press and the tight-running schedule.

Precision Proof Press

The inkmaker knows that the halo or heavy marginal rim of the dot is due in the first instance to improperly distributed pressure which puts too much squeeze on the rim and not enough inside of the rim of the dot so that it is difficult to give a correct rendering of the plate. From frequent encounters with this problem the inkmaker has learned that the more greasy the ink, the more pronounced the halo. The tacky inks strengthen all the dots and greasy inks gray them.

Principal tool of the engraver's proofer is a precision proof press which he keeps in correct adjustment. He dresses the cylinder with manila tympan paper, a hard packing to go along with the rigidity of the impression of the precision press.

He uses synthetic rollers with a collar of composition around them which, when once adjusted in height, do not need frequent setting. The nice set of a good roller is of great importance, otherwise the marginal rim and grayed center of the dot will be increased.

The proofing ink is the best ink that can be made. As it is used only at slow speed, it may be very heavy and short enough to ink each dot without spreading and still not pick the proof paper at the low speed. The proofer has no offsetting and sticking problems. He can roll the plate either lengthwise or widthwise, using heavy, medium or light pressure.

When such favorable conditions can be met on the production press in inking, press, and rollers, the pressman with selective overlaying



and premakeready can equal and even surpass the inking of the halftone dot that is obtained by a proofer. He admits it himself because he does not use overlays except for vignette plates, for which he carries a single hanger of book paper in his manila tympan paper packing.

There remains one cause of trouble in uniformly inking the dot: faulty application of the enamel which constitutes the printing surface of the dot. This is not common and when it occurs all of the enamel top may be removed with cyanide and the bared metal printed from.

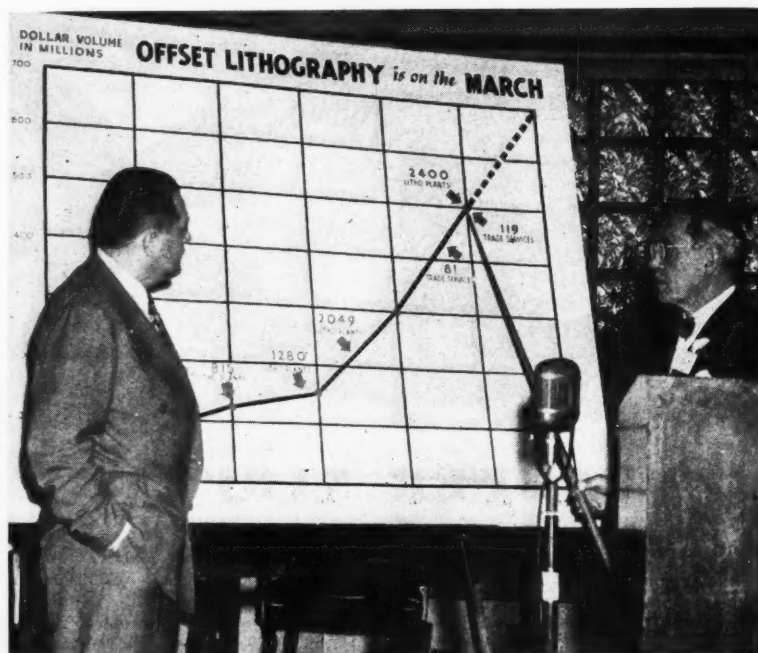
The preceding paragraphs are a review of salient points in research to date. Much work remains to be done in scientific study of paper,

form units, ink, rollers, presses, and in the art of makeready.

Such examinations as those we noted have to do with prints. A wide field for study is the examination of the printing surface of each ultimate unit and also the entire form, both before and after inking but *before* printing the impression. How do enamels on plates compare with copper, nickel, zinc, brass, wood, rubber, and plastics in the two vital qualities of ink receptivity and transfer of ink to paper, as well as effect colors and resistance to wear? How do these materials vary in support of or resistance to the pressure of printing? What is the difference in the inking operation of various kinds of form rollers on a plane surface (offset) and a form of edged units in high relief (letterpress)? What substances in metals, inks, and paper cause differences in the coloring of zinc line cuts, electros, and type in the same impression on a single paper?

Survival of the Fittest

One could continue with innumerable questions whose answers can be found by scientific research. The important result of research will be the survival of the fittest supplies and equipment. Then printing can be standardized and no longer the rule-of-thumb, trial and error, find-by-elimination process it has been so long.



Ren Perry (on left) watches as Harry Porter points out on chart the increased volume of lithography at Fall convention of PIA. Both men are employed as Harris-Seybold Company sales executives

*What's
New?*

in Equipment and Supplies

PHILIP HANO Company has developed what it calls "The Hano Porta-Pac" which is 5 inches wide, 8¼ inches long and 1¾ inches deep, made of aluminum, and designed to be used as a portable register, to be sold by printers and stationers. It will hold 50 triplicate sets of forms 4½ by 6½ inches, and when filled to capacity weighs 24 ounces.

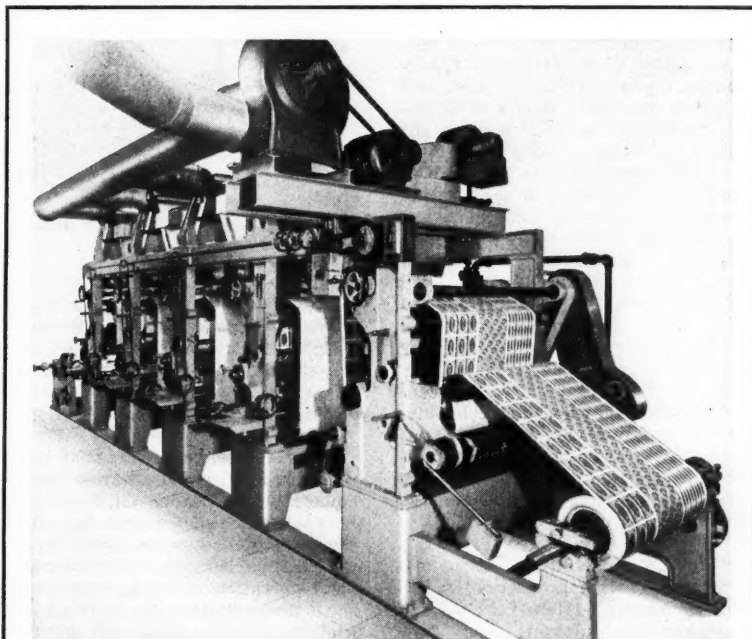
LOCKWOOD's "Superior" multi-color press, manufactured by Lockwood's Incorporated, a division of New Era Manufacturing Company, prints in one, two, or three colors, gummed and ungummed labels, stickers, tape and numerous other items, up to a maximum size of 5 by 9 inches. It is automatic in operation, weighs 1,300 pounds, has speeds up to 5,400 impressions an hour, with variable speed pulleys permitting the operator to adjust the speed to any desired rate. It is powered by a ¾ h-p. motor. The press is modeled after the prewar model "A" and is now in production.

WESTERN Printing Machinery Company has announced its Honeycomb plate cylinder, so constructed that printing plates can be placed therein closer together than under ordinary conditions, which is of decided advantage to carton and label printers. The cylinders are machined for the Blatchford clip only.

THE KODASLIDE Table Viewer produced by the Eastman Kodak Company projects enlarged images of 2 by 2-inch slides on a new type of rear projection screen built into the viewer itself, and is said to be the first complete projection system for miniature color transparencies which can be used in a fully-lighted room. The new unit can be used by a worker in the graphic arts to scan a group of 35mm or Kodak Bantam transparencies. Thus he can select the most suitable for reproduction, or he can check the quality of color plates against the transparencies themselves. The new viewer is portable, occupies less than 10 by 12 inches of desk or table space, holds seventy-five cardboard slides, or thirty double-glass slides which may be intermixed, and projects on its screen a brilliant detailed image enlarged about five times. The screen size is 7½ by 7½ inches.

STAR automatic quadding attachment for Intertype and Linotype typesetting machines, announced by Linotype Parts Company, Incorporated, is attached on the left hand side of the viscavo of the machine, replacing the wedge mechanism. Motivating power is derived from the movement of the vise closing lever which operates through a train of gears and horizontal and vertical racks. This quadding attachment may be attached to present

GRAEBER String and Wiring Machine Company division of New Era Manufacturing Company has announced a new patch and eyeletting machine which will attach a patch, or a patch and an eyelet, anywhere on a tag or envelope. The machine is equipped with a gluing unit, eliminating the need for gummed paper. An automatic stop is a feature of the machine. It weighs 1400 pounds and has speeds up to 100 tags or envelopes a minute.



Multicolor, web-fed rotogravure press made by Klingrose Machine Corporation which has been purchased recently by American Type Founders, Incorporated. Manufacture and sale of the rotogravure presses will continue under the Klingrose Gravure Division of ATF

machines. During the experimentation several of the units were placed on machines of various ages in order to make sure that the attachments were usable on older machines, thus modernizing them.

A NEW driving belt has been introduced by Jack Beall for Miehle Vertical press, called the 10-W, which is available for the V36, V45, and prewar V50. It is a fabric type belt, and is said to be noiseless.

HAMMOND Machinery Builders has announced its new full-page EasyKaster-8 equipped with four automatic locking-clamps which provide equalized pressure. Beds are made of close-grain semi-steel, have extra heavy ribbing for resistance to distortions, and the heavy welded frame provides needed rigidity. The EasyKaster is made in three models, differing only in melting-pot arrangements. Model EK-8 is without a melting-pot; EK-8P is equipped with an 800-pound capacity

melting-pot for gas or electricity, and Model EK-8, also provided with 800-pound melting-pot, has four casters and a brake to prevent movement of the machine after it has been positioned. Weights of machines are 1130 pounds for EK-8; and 1210 pounds for each of other two models.

"BLOWN-UP INCH" SCALES are handy new tools for the blowing up or reduction of artwork in any of these standard proportions: 20, 25, 33 $\frac{1}{3}$, and 50 per cent enlargements; $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$ reduction. With these simple scales, the artist, layout man, or production man has the practical equivalent of a pair of proportional dividers or a slide rule.

Along one edge is printed an actual inch scale; along the opposite edge appears the blow up scale. One blow up and one reduction scale are on each side; two scales are required to make a complete set.

Made of Vinylite (p'astic), these scales will not shrink or stretch with any normal temperature or humidity changes. Laminated for long wear.

THE FROST Admaster is a handy instrument combining ten tools in one, which should be of interest to typographers, typographic layout men, and designers. Basically, it is a 30-60 designer's triangle made of transparent Plexiglass. Along one edge is a twelve-inch scale with each inch indicated in quarters and halves, also agate measurements indicated by numerals every ten units. At the bottom is a printers' pica scale indicated every six units, while along the other edge is an inch scale in tenths. There is also a point gauge, from 0 to 144 points, for measuring display type sizes; an irregular curve; a protractor; and a basic ellipse having the horizontal and vertical centers marked. The edge of the hypotenuse is beveled on the under side so it may be used for ruling with a pen without smearing. All calibrations are accurately impressed on the under side so they will not be rubbed off.

TWO NEW model I. S. Jogger machines are now in production, it has been announced in New York by Ilya Scheinker, manufacturer.

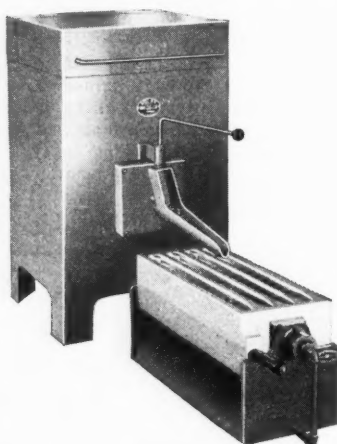
One is a smaller edition (17 by 22) of the standard machine, embodying, so the announcement states, "all of the features and improvements of the standard model." It was designed for requirements where small amount of space is a factor, and is intended for "individual operation on special rush jobs."

The second new model is the Press Delivery Jogger, said to be especially adaptable to handling the lightweight stocks—tissue, onion skin—and it can be rolled up to the delivery end of the press, replacing the usual jog-board platform.

The manufacturer also has announced that all I. S. models have been improved in important respects. They

are now silent in operation, it is stated, and the jogging and aligning motions have been stepped up for a faster rate. The guarantee on all machines has been extended from six months to one year.

NOLAN Corporation has announced a new "Metal ReMelter" of which two standard models are being offered—the Nolan "2000" which has a one-ton capacity, and the Nolan "650" which has a 650-pound capacity. A hinged cover, exhaust-pipe vent, bottom pouring-valve, swinging spout, and gas or electric heating units, are features of the machines. For small shops, hand-



Nolan Corporation's new "Metal ReMelter"

ladling devices, and for large shops, pots in sizes up to five tons, can be provided. A water-cooled mold, pivoted on a heavy steel frame, is also available to cast lino-feeder ingots. The unit may be equipped with molds for casting blocks for the Monotype.

GENERAL Chemical Division of Allied Chemical and Dye Corporation has announced what is called Tin Fluoborate Solution which plates a tin deposit on the backs of electrotype shells, replacing "the cumbersome, time-consuming hand operation of foiling electrotype shells preparatory to fusing to a heavy lead-tin-antimony alloy casting." The claims are that it offers good adhesion to the type metal, eliminates soft spots in the face of the electrotype, and helps to make plates more uniform, requiring a minimum of straightening.

SMITH Paper, Incorporated, has announced a lightweight "Bible" paper suitable for offset printing. The paper was developed as a result of inquiries for an offset printing sheet that would give the lowest possible bulking. It is like other qualities of light papers of the firm, except for the additional sizing required for offset papers.

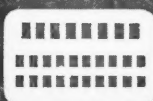
THE KIDDER PRESS Company has announced its Kidder Print Master Aniliner press, made in 42-, 52-, and

65-inch widths, and in four- and six-color frames. It is a heavy and precision-built press with metered ink-fountains, and a drive which keeps fountain rollers running when the press stops. Other features include a simplified hydraulic-cylinder release system; an improved drying system which partially dries each color, as printed, then completely dries, seals, re-moistens, and cools the printed web after all colors have been applied. The ink fountain is driven independently of plate cylinders, and bearings are anti-friction type which makes for easy running and for the minimum of power consumption.

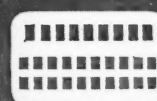
Another new Kidder Press is the Multi-Color Rotary also in widths of 42, 52, and 65 inches, available in two, three, and four colors, and offered in a choice of tensioning systems. The ink distribution system includes three large vibrators, two metal form-rollers, and five soft-rollers. A continuous type fountain is used to provide "good cut-up and distribution." Interchangeable plate cylinders are provided for use with rubber plates. Plate cylinders are arranged with two colors on each rack. An electric-eye mill roll control is available upon specification. Special oiling systems are also provided.

THE PRECISE Engineering Company has announced its new Precise high-speed, roll-feed rotogravure press, running four-color process printing and plastic coating in one continuous operation. The press, available in sizes ranging in printing widths from 26 to 72 inches, will print from one to five colors. Unwind and rewind devices are standard equipment. The transparent plastic protective film, printed on top of the regular color printing, sealing it in with a high gloss plastic surface, is waterproof, scuff-proof, stain-proof, and oil resistant, and may be heat-sealed because the plastic coating is thermoplastic.

This plastic surface will not curl or cause the printed sheet to curl, though it is applied on one side of the sheet only. The amount of plastic or thickness of film applied may be varied for specific requirements of a job, and can be controlled accurately. It is said that the speed of three to four hundred feet a minute developed by the rotogravure process of web-feed printing is not reduced by the application of the all-over coat of plastic. Not only can the process color printing and the film of plastic be applied by the press to paper but it can also be applied to board, tissue, and foil. The drying takes place on the Precise press, so that secondary operations, on or off the press, such as scoring, slitting, embossing, perforating, sheeting, folding, or die-cutting, can be done immediately after the printing operation. The plastic surface may be scrubbed like oilcloth and will not stain, all greasy spots being removable with a damp cloth. Neither will the plastic crack, though the sheet is bent, creased, folded, or scored.



The Month's News



Section devoted to timely items concerning men and events associated with printing. Copy must reach editor by twentieth of month preceding date of issue

LITHO CONFERENCE HELD

The first of a series of six regional demonstrations of technique and discussions of methods of curing troubles encountered in production of offset printing, was held under auspices of Lithographic Technical Foundation in Atlanta, Georgia, October 28 to 30. One hundred and fifty-one persons from the southeastern area registered to participate in the proceedings which included tests by technical personnel from the Chicago office of LTF.

The entire program was under the supervision of Michael H. Bruno, research manager, with his associates, Robert F. Reed, Dr. Paul J. Hertsuch, George W. Jorgensen, Edward J. Martin, Joe Jania, and others assisting. W. O. Morgan, executive director of the Chicago Lithographic Institute, gave a talk about the school's courses of study and general activities. Some of the demonstrations were given in the plant of Atlanta Lithograph Company.

Five other demonstrations are to be held in various industrial centers on the same basis by which LTF is guaranteed payment of expenses by firms in the area which will benefit from such a program. Other cities interested include Minneapolis, Fort Worth, Montreal, Toronto, Rochester, Los Angeles, and Chicago.

CHARLES W. LECHLEIDNER

Charles W. Lechleidner, eighty-two years old, who is credited with having taught printing to 15,000 pupils at Marquette University, and at the Essanel Press, Milwaukee, which is owned by his son, John S. Lechleidner, died November 21, after an illness of several weeks. He was familiarly known as "Uncle Charley" by the youngsters who were in his classes. Unaware of his death, the local typographical union voted him a pension on the day of his death. He had been eligible for a pension for many years but never had applied for it since he had been active as a printer until he became ill.

GEORGE H. CARTER

George H. Carter, former Public Printer of the United States, who died recently at his New York residence, was seventy-four years of age, having been born at Mineral Point, Wisconsin, September 10, 1874. He started in newspaper and job printing work in 1894, and was in editorial work in vari-

ous cities until he became clerk of the Joint Congressional Committee on Printing where he worked from 1911 to 1921, at which time he was appointed as head of the Government Printing Office. He was named Public Printer on April 5, 1921, by President Harding, and served until 1934.

Following his experience at the GPO he was connected for seven years with the Lanston Monotype Company at Philadelphia, and for the past seven years was a printing consultant with headquarters in New York City. He held an honorary membership in the Washington Club of Printing House Craftsmen.

Current News and The Bible

BY DEACON CLEARSIGHT

Seldom has the limitation of human knowledge been so dramatically impressed upon people as after the recent election. Many blame professional pollers of public opinion for having deceived themselves concerning probable election results, and the self-deceived professionals are endeavoring to explain to the public why they were deceived. My observation is that the most dangerous of leaders are those who first deceive themselves.

Many people seemingly want to deceive themselves, especially about supernatural things. Patrick Henry, in a famous speech, referred to Biblical false prophets who promised "peace, peace" when there was no peace.

Scripture contains warnings concerning self-deception. Here are a few:

"Be not deceived; God is not mocked: for whatsoever a man soweth, that shall he also reap. For he that soweth to his flesh shall of the flesh reap corruption; but he that soweth to the Spirit shall of the Spirit reap life everlasting. And let us not be weary in well doing: for in due season we shall reap, if we faint not." (Galatians 6:7-9. Protestant version.)

"Knowledge puffeth up; but charity edifieth. And if any man think that he knoweth anything, he hath not yet known as he ought to know. But if any man love God, the same is known by him." (1 Corinthians 8:1-3. Catholic version.)

"As a father hath mercy on his children, so hath the Lord mercy on those that fear Him. For He knoweth our frame; He remembereth that we are dust." (Psalm 103:13, 14. Jewish version.)

HONOR PIA PRESIDENT

Carl E. Dunnagan, the president of Printing Industry of America, Incorporated, was guest of honor at a testimonial dinner in Chicago on November 22, given under auspices of the Graphic Arts Association of Illinois, Incorporated. Present were leaders of the industry from New York, Washington, D. C.; Detroit, Indianapolis, and other cities in which graphic arts groups flourish.

Speakers included Thomas P. Henry, Jr., Detroit, president of the Union Employers Section of PIA; Howard K. Knowlton, a director of the Graphic Arts Association of Illinois; and John J. Maher, a past-president of the Association, who presented Mr. Dunnagan with an engrossed scroll concerning his record of service in various capacities in the printing industry. Mention was made in the scroll, and in the speeches, of Mr. Dunnagan's having filled positions of responsibility in local and national associations, and that because of his elevation to the presidency of the PIA, he had "attained the highest honor our industry can bestow."

"You are a credit to the printing industry, and the PIA will go forward under your leadership," is one of the statements in the engrossed scroll.

In his response, Mr. Dunnagan told how certain incidents occurred which influenced him to enter the printing industry and then trade association activities with the result that as local and national problems had to be faced, there was nothing to do but to endeavor to solve them in company with other representatives of local and national groups.

He entered the industry in 1923, and in 1933 he founded the Inland Press, which is now one of the large publication and advertising printing establishments in Chicago.

CONSTRUCT \$5,000,000 BUILDING

A new \$5,000,000 building, twelve stories, has been added to structures housing plants and offices of the Los Angeles *Times-Mirror* Press, printing plants which do newspaper publishing, and commercial letterpress and offset work and related businesses in Los Angeles. The *Times-Mirror* Press has announced that \$1,500,000 will be invested in a new structure in East Los Angeles to house its Los Angeles telephone directory printing.

HISTORY OF ATF TOLD BY THOMAS ROY JONES IN ADDRESS GIVEN BEFORE NEWCOMEN SOCIETY

• THOMAS ROY JONES, president of ATF Incorporated, in a recent speech before the Newcomen Society in New York City, told the history of the ATF from the formation of its antecedents back in the eighteenth century to the present development, and outlined its future course, which is to serve the printing industry increasingly with supplies and equipment. He stated that the history of the company "is in reality the history of the printing industry in the United States."

He spoke of the formation of the ATF in 1892 through the merger of twenty firms manufacturing and selling nearly the entire output of foundry type. He termed it "more than a combination of foundries," saying "it was a combination of minds and it preserved in one company the hopes and dreams of those early Americans who began their struggling foundries along our eastern seaboard."

Mr. Jones paid tribute to the work of the late Robert W. Nelson who, having known the printing business, had faith in the merger plan of the ATF and bought the interest of one of the directors in 1894 who had lost belief in it. Mr. Jones told of the achievements of Mr. Nelson in placing the company in an advanced position by his recognizing the ability and work of talented type designers, founders, and printing equipment builders.

The death of Mr. Nelson in 1926, plus the depression years following 1929, and other factors led to the voluntary bankruptcy of the company in 1932. Mr. Jones skipped lightly over the fact that he assumed charge of the company's affairs in its bankrupt condition, and credits much of the work of strengthening its financial structure to E. G. Williams, now the president of American Type Founders, Incorporated, who joined the company in 1932 with Mr. Jones.

By 1936, the company "had fought its way back, and was released from court jurisdiction." Mr. Jones traced the operation of the new program of the company by which it intensified sales under the leadership of Frederick B. Heitkamp, expanded and diversified its manufacturing operations, developed its service to offset printers by the purchase in 1938 of Webendorfer-Willis Company, and acquirement of services of John F. Webendorfer, "one of the foremost press designers and engineers in the country," which enabled the company "to remain unique in its ability to supply the graphic arts with everything the printer requires." He said that the line of equipment and supplies of the company now consists of "some 4,000 different items, and includes not only the type and machinery manufactured by the company itself



THOMAS ROY JONES

but many products of other companies for which it acts as distributor."

The speaker told of the war work of the company and its subsidiaries and also of the purchase within the past five years of enterprises now operated

as divisions of the parent company. Concluding his speech, Mr. Jones said in part:

"The parent company is in reality a small management team which concentrates on over-all policy, integrates the affairs of the whole, and allows each company to retain its individual characteristics and its identity with its community. The core of this team is a management which within fifteen years has expanded ATF sales tenfold from \$4,000,000 to \$40,000,000; net worth from \$2,300,000 to about \$16,000,000; and converted losses which had exceeded \$2,000,000 in a single year to profits of over \$2,500,000. Stemming from American Type Founders, this management has carried on the tradition of initiative and foresight of its founders, has built solidly, and demonstrated the flexibility of mind and organization required to grow in a constantly changing economic and social environment.

"The present management is conscious of its distinguished heritage, stemming from the small type foundry that began in 1735 at Germantown in the province of Pennsylvania. It is proud of such men as Benjamin Franklin, James Ronaldson, Archibald Binney, Robert Wickham Nelson, and many others who have written their names across the pages of its history. The influence of the past carries on into the present; and, with firm faith, American Type Founders, Incorporated, and ATF Incorporated, look into the future."

URGES PROTESTS OF CHANGE IN PRICING PAPER

• PRICING of paper will be changed to f.o.b. mill, unless the United States Congress will enact legislation relieving a seriously confused situation which is a result of a Supreme Court decision, so speakers at the Fall convention of the National Paper Trade Association in Chicago told paper merchants. Attorneys explained that the confusion was caused by the Supreme Court in the Cement Institute case by which it ruled a price must be put on commodities at the mill and the purchaser must pay the freight from that point.

Mortimer E. Graham, counsel and secretary of the Hamermill Paper Company, in an address urged paper merchants to see to it that their views were expressed at the hearings then being arranged in Washington, D. C., by Senator Capehart's committee, to determine what sentiment was concerning the change of billing practices. Mr. Graham warned all in the audience to guard against being lulled to sleep with the idea that the issue in not one of importance. He and others explained that the practice has been for the paper seller to absorb, or average, freight rates and sell products for the same prices within certain areas. They said that the court's decision prohibits such

averaging of freight rates or delivery charges which had been customary.

E. W. Tinker, executive director of the American Paper and Pulp Association, New York, said that if the court's ruling is not changed by act of Congress, many paper mills might be forced out of business.

The *Wall Street Journal*, commenting upon the effect of the court's decision, expressed belief that "large printers on the West Coast, many of which are making ponderable capital investments in plant expansion, are asking themselves if they have done wisely." Continuing, the *Journal* states:

"The Coast is a major printing area, especially San Francisco. Eastern paper companies selling in the West have for a long time shipped their specialty grades, absorbing part of the charges under basing point methods. Now it appears that unless basing point pricing can be restored, some large-scale printing customers will find it more advantageous to have their work done in Chicago and other eastern printing centers where printing costs have been somewhat lower, shipping the printed products west, rather than patronizing old connections which buy paper in the East and now have to add more to their price to cover shipping costs."

William Simon, counsel of the Senate sub-committee, having proposed legislation to clarify the situation, told the paper merchants at their convention that Senator Capehart realizes that the Federal Trade Commission assumes a certain attitude which is at variance with other interpretations of official bodies in Washington about how the decision should be applied; and that lawyers also are in disagreement. Mr. Simon reported to the convention that letters received by the sub-committee from business men showed that they oppose the f.o.b. mill pricing plan by a ratio of fifty to one, but that "theorists favor the f.o.b. mill plan as being more equitable." He urged printers to express their opinions to the Senate's sub-committee at the hearings, or otherwise to insure that Congress know what their sentiments are.

STRIKE GOES INTO SECOND YEAR

November 24 marked the beginning of the second year of the strike of 1,500 compositors employed prior to November 24, 1947, by Chicago's daily newspapers. The strike was caused by the protest of the ITU and its local, Chicago Typographical Union Number 16 against the newspapers' insistence that the union should agree to a signed contract in accordance with provisions of the Taft-Hartley Law. Because the publishers would not agree to the union's posting "terms of employment" and wanted a contract, the men walked out and have picketed the various newspapers ever since. Meanwhile the newspapers developed the system of producing a non-metal method of composition which is a combination of a Vartypewriter or IBM machine and the photoengraving process.

Currently, ITU officers have been before Federal Judge Luther M. Swygert of Indiana, on a contempt charge in defiance of the court's injunction and they have been ordered to purge themselves of objectionable practices which are alleged to be contrary to law. Woodruff Randolph, president of ITU, and his associates promised the court that they would obey the court's order to refrain from the disputed practices.

In the November issue of *The Typographical Journal*, Woodruff Randolph's name appears in connection with this statement:

"The injunction procedure of the T-H-L provides a horrible perversion of legal methods. One needn't be guilty of violating the T-H-L. In fact the NLRB is the actual body to pass on that point. Before the NLRB can or will act, Denham can secure an injunction against you on a probability. . . . Under the T-H-L certain statutory penalties are involved for violation but for contempt of court the blue sky is the limit."

Mr. Randolph continued with the statement that the ITU is not yet "out of the woods" either as regards court action, "or employer attempts to break down the union as a skilled craft."

INTERNATIONAL PRINTING WEEK TO BE OBSERVED BY GRAPHIC ARTS ORGANIZATIONS NEXT MONTH



John G. Henderson is head of National Graphic Arts Education Association, which long ago celebrated Printing Education Week in January

• INTERNATIONAL Printing Week promotion is well under way all over the United States, so states Gordon J. Holmquist, chairman of the committee promoting the observance by the International Association of Printing House Craftsmen. The week designated is January 16 through 22, 1949. In an announcement Mr. Holmquist said that more clubs will participate in the movement than last year, which was the banner year. Other groups promoting the week include the National Graphic Arts Education Association—one of the pioneers in the field to observe a week in January as Printing Education Week—and other organizations which observed Franklin's birthday anniversaries year after year, as occasions for promotion of prestige of the printing industry.

In his representative capacity, Mr. Holmquist has issued a booklet about Printing Week which he has termed the "manual of methods and procedure." The pictures contained therein were taken of displays in cities where the various units of the industry were active and induced retail stores, municipal officials, and printers themselves to participate in the movement to make the various communities "printing-conscious."

"This booklet is designed to be a guide for you in developing your program for Printing Week," states the preface to the booklet. "In so far as possible we have stayed close to proven ideas—ideas that have been used successfully by Craftsmen's Clubs in various parts of the United States."

An emblem has been designed which clubs and other groups are advised to

use on printed matter, also as stamps affixed to the back of letters and on packages.

Posters are recommended for use in windows of printing establishments and in stores favorable to the idea. These posters are to be designed and produced by local committees such as have been organized in a number of cities. One is currently being organized in Chicago under the sponsorship of the Chicago Craftsmen's Club with all other graphic arts organizations co-operating. Wesley K. Lunt, of W. F. Hall Printing Company, is chairman.

The general committee suggests that local groups have a proclamation, after issued by the mayor, given to newspapers, and also printed in folder form.

"Write letters to your ministers asking them to slant their sermons on the Sunday of Printing Week towards the importance of printing in religious life" is another suggestion. "Remember that the first printed book was the Bible and that the whole secret of the successful dissemination of religion has been the printed word."

Meetings are suggested during Printing Week of printers, advertising clubs, service clubs, and other business groups. It is also suggested that special exhibits be provided at these meetings at which speakers will tell of the importance of printing in business operations. Since Rotary, Kiwanis, Lions, and other luncheon groups have printers among their memberships, such printers should take the initiative to provide appropriate programs.

Apprenticeship enlistments may be promoted for the industry, so the committee suggests. Companies or associations may provide dinners at which apprentices and others of the industry will attend.

Exhibits are suggested and some are pictured in the manual featuring every process of printing and various operations, including design, planning, art work, typography, make-up, electrotyping, litho-platemaking, stereotyping, rubber plates, photoengraving, letterpress, offset-lithography, gravure, rotogravure, silk-screen printing, and presswork, binding, publishing, advertising, and all other related activities.

Concluding, the manual carries this statement: "Source material is not abundant but if every club will just do the things visualized the impact on a national scale will be far greater than anybody realizes. Please remember that the International needs all the ideas that you develop for the benefit of all the other member clubs. So take some photographs of everything that is photographable."

Editor's Note: Clubs and other groups are requested to send copies of photographs and other data to THE INLAND PRINTER.

GOUDY RECEIVES FINAL COMMITTAL

The ashes of Frederic W. Goudy have found a final resting place in the historic burial grounds of Old Town Cemetery, Newburgh, New York. A final committal service for the renowned type designer, who died in May, 1947, was held on November 14. His ashes were buried along with those of his wife, Bertha, who died in 1935.

The committal services were conducted by the Rev. A. Elwood Corning, of Newburgh, who had made a personal crusade in attempting to find a suitable spot for the remains of the Goudys. He was determined to locate an available plot in the famous old cemetery, and spent months searching records in his quest. Just as he was about to give up, he located a Mr. Alexander Hutchinson and his sister, Mrs. John Cathcar, who expressed a desire to convey a plot in their family burial grounds for the purpose.

Newburgh is near the small rural town of Marlboro, where Mr. Goudy had his home and workshop. Put up for auction last spring, the grounds and buildings were bought by Ralph C. Coxhead, of Vari-Typer Company, who stated he intended to preserve them as a shrine dedicated to the achievements of Mr. Goudy in the progress of the graphic arts.

PIA APPROVES TWO TEXTS

Two text sections of "Tools of Management," forthcoming nine-volume series to be published by Printing Industry of America, were given pre-publication approval at a meeting in New York in mid-November. The meeting was attended by the authors of the texts, and forty industry executives constituting review sub-committees of PIA's education committee. James J. Rudisill, (Rudisill & Company, Lancaster, Pennsylvania), presided over the session, which was devoted to a critical review of the texts.

The manuals approved were those on executive management and production. The executive management text was prepared by Colman Maze, professor of management at New York University, assisted by Albert M. Pleydell, of the Survey Institute. The production manual is the work of Robert H. Roy, professor of industrial engineering at Johns Hopkins University and vice-president of Waverly Press, Baltimore.

APPEALS FOR SUPPORT

The National Foundation for Infantile Paralysis, in making its appeal for public support of its "March of Dimes" campaign set for January 14 to 31, 1949, stated that total number of cases of poliomyelitis for the year 1948 "may approach or even top the all-time 1916 record of 27,000." Continuing, the statement reads: "In providing for the care and treatment of the stricken, the National Foundation has completely exhausted its epidemic-emergency-aid fund, and now faces a \$2,500,000 deficit before the 1949 March of Dimes."

GERHART NAMED ATF AD HEAD

Frank C. Gerhart has been named advertising manager of the American Type Founders Sales Corporation, of Elizabeth, New Jersey, according to an announcement made by Robert G. Marquardt, vice-president. The appointment, filling the vacancy created by the death of Robert B. Huddleston, took effect December 1.

Mr. Gerhart, a former printer, came to prominence in the supply field as advertising manager of the Champion Paper & Fibre Co., Hamilton, Ohio. He went from that position, after twelve years with the paper firm, to the ATF post. He was in charge of advertising



FRANK C. GERHART

at Champion when the company produced the annual report which won this year's *Financial World* award as "best of industry" in the paper field.

Previous to joining Champion, Mr. Gerhart had been connected with the McDonald Printing Company, Cincinnati. He graduated from Indiana University in 1925 after becoming a journeyman printer, and spent five years teaching vocational printing.

ADVOCATE TRAINING OF PERSONNEL

Reported shortage of trained personnel in mechanical departments of newspapers caused the Eastern North Carolina Press Association to vote cooperation with the North Carolina Press Association to promote vocational printing training in the public schools. The resolution was adopted at the association's recent convention after J. Walter Webb of Wilmington presented a committee report that there is "admittedly an acute shortage of personnel versed in the printing art." The motion carried with it provision that members should appear at a hearing of the State Advisory Budget Commission to make proposals for appropriations to cover expenses.

DEVISE BASIC STUDIES

Basic courses of study in printing are being developed by a commission of the National Graphic Arts Education Association in accordance with ideas expressed by representatives of the Printing Industry of America and the Lithographic Technical Foundation, so Fred J. Hartman, educational director, has announced. The standard courses are to be provided for four levels of education: the industrial arts or guidance level; the vocational or pre-apprenticeship level; the college level; and a program for the training of printing teachers.

Hartley E. Jackson, San Jose State College, San Jose, California, is chairman of the commission. Other members include John A. Backus, department of education, American Type Founders Sales Corporation; Harry L. Gage, National Advisory Council on Graphic Arts Education; William R. Baker, Stout Institute; Stanley Hlasta, Carnegie Institute of Technology; J. Henry Holloway, principal emeritus New York School of Printing; Milo T. Oakland, of Northern Illinois State Teachers College; Allan Robinson, Ottmar Mergenthaler School of Printing; and John C. Transbarger, Indiana State Teachers College. Ex-officio members are John C. Henderson, president of the NGAEA; and Mr. Hartman. It is expected that the work of the commission will require a year to complete.

ANNOUNCES CHANGES

Chemco Photoproducts Company, of Glen Cove, New York, with branch offices in a number of cities, has announced that Theodore W. Hartzog has joined the company's staff and has been placed in charge of the newly organized Detroit office as manager. Jim Smith, who has been handling the Ohio territory for the company, will work out of the Detroit office which was opened as part of the firm's policy to improve service to its customers. Mr. Hertzog is a practical photoengraver and had been with the research section of General Motors Photographic prior to joining Chemco Photoproducts Company.

Joe P. Wheeler is another addition to the sales staff, having been assigned to the Atlanta branch office. He has been in the photoengraving business for nineteen years, ten of which were with the Atlanta *Georgian*, and when that was sold, he was transferred to Atlanta *Journal* as superintendent of the engraving department.

ISSUED RATIO BOOK

A printing financial ratio study of operations of Los Angeles establishments has been issued by the Printing Industries Incorporated of that city, patterned after the ratio publication of the PIA. G. Henry Henneberg, manager of the association, credits E. G. Virant, Los Angeles PIA accounting and tax counselor, for the gathering of statistics and compilation of the report.

ATF ACQUIRES KLINGROSE

Assets of the Klingrose Machine Corporation, Brooklyn, New York, have been purchased by the American Type Founders, Incorporated, according to Edward G. Williams, president, and will be operated as its Klingrose Gravure Division for manufacture of multicolor web-fed rotogravure presses.

The Klingrose concern started to build presses in 1936 and has produced numerous units to print in from one to eight colors, many of them equipped with rotary sheeters, jobber pile delivery, applicators for gluing, gumming, and plastic coating, and with unwind and rewind accessories. Personnel of the Klingrose organization is now employed by the new owners. With the Klingrose line of presses, American Type Founders Sales Corporation has acquired a market among box-makers, paper mills, paper converters, packaging manufacturers, and label makers.

The American Type Founders have also acquired from the Kimberly-Clark Corporation, Neenah, Wisconsin, exclusive rights to manufacture and sell, under its own name, the Henderson cylinder etching equipment, and the rights to license others in the use of the Henderson intaglio halftone process.

ANNOUNCE PRODUCTION SCHEDULE

Gordon Montgomery, president of the Miller Printing Machinery Company, announced at a recent company sales conference that the first shipment of the new Miller 21 by 28 two-color automatic cylinder letterpress had been made and that present commitments will absorb the first six months production of the new press. He told the salesmen that new orders would be accepted for delivery during the second quarter of 1949.

The new press was announced early in 1948. It takes a maximum sheet size of 21 by 28, and a minimum of 8½ by 11, and operates at 4,000 sheets an hour—8,000 color impressions.

ANNOUNCE EARNINGS

Intertype Corporation has issued a statement showing net earnings of \$222,211.94 for the three months ended September 30. The amount set aside for taxes was \$181,000. For the nine months of this year, the net earnings were \$750,916.01, with provision for taxes, \$554,000.

ISSUES SAMPLE PORTFOLIO

A portfolio especially designed to help printers sell more business stationery has been issued by the Crocker-McElwain Company, Holyoke, Massachusetts, manufacturers of Certificate and Guardian bonds and ledger papers.

Called "Unified Stationery on Certificate," the portfolio contains eleven sets of matched stationery: letterhead, statement, shipping label, and envelope



Cover of Crocker-McElwain Company's new sales portfolio of matched business stationery items

corner card—all carrying a unifying device, picture, or outstanding typography to establish immediately the one-family, one business effect. It is anticipated that the portfolio will be a real sales aid to printers.

The portfolio is attractively printed by offset in three colors, but the sample matched stationery sets are printed letterpress as well as by offset.

APPOINTS AGENCY

The Champion Paper and Fibre Company, Hamilton, Ohio, has named the Campbell-Ewald Company to handle its advertising account. H. W. Suter, sales manager of the paper company, will direct the advertising program which will include news and business publications, "supplemented by strong trade-paper advertising."

MACHINE STATUS CHANGES

Harris-Seybold Company, Cleveland, has announced a new policy concerning manufacturing of parts for machines which the firm has not been producing for a number of years. In making the announcement, Harry A. Porter, vice-president in charge of sales, said that the problem has become acute, requiring a policy of either manufacturing parts indefinitely for older models of machines which would appreciably retard production of new models which are in great demand, or making a change.

"This problem is not peculiar to us since other long established producers of capital goods have recognized the importance of fair obsolescence policies with reference to sound customer relations and industry progress," said Mr. Porter.

The firm's products now fall into one of three classifications: "Active," including models currently manufactured; "Inactive," being models no longer manufactured but for which certain parts will be supplied. However, parts which have not been ordered for seven consecutive years cannot be supplied; "Dead," including models "which have reached an age where the supplying of any service parts is no longer practicable."

Mr. Porter explained that the status of machines was changed "only after exhaustive study of Harris-Seybold parts service and manufacturing records." He added that representatives of the firm will co-operate with owners of equipment concerning problems that come up about parts.

Seventeen machines are now in the firm's "dead" classification, including seven Potter items; two Premier machines; two Seybold machines; and six Harris machines.

The "dead" items are: Harris 2-color flatbed letterpress, TFC 20 by 26; Harris one-color offset press, CL 19 by 25; also, S5L 22 by 34 and S6L 28 by 34; Harris sheet gravure presses, WM, 20 by 26; WN, 26 by 38; Potter presses: DU, 38 by 52 2-color offset; 3BD 34 x 46, one-color rotary offset; 4BB 38 by 52 one-color rotary offset; DJ 38 by 58, 2-color offset; and DW 41 by 54 3-color offset; DX 41 by 54 4-color offset; and Potter HO postal card press; Premier KZ and KY cutters and creasers; Seybold embossers and Seybold book smashers.



Employment committee of New York Employing Printers Association, from left: S. L. Gray, John S. Sherdon, Vincent Jacobi, William Titterton, Beatrice Baumgardt, manager of employment department; Ira Frank; George A. Vogl, S. P. Suess, Louis Robinson, Edward Solomon, Walter Dennis was absent.

NEKOOSA-EDWARDS GROUP CONFERS

More than seventy paper merchants who are distributors of products of Nekoosa-Edwards Paper Company, with mills at Port Edwards, Wisconsin, joined with the company's sales representatives in a conference held in Chicago on October 28. It was the first such conference held since 1941, and was conducted by Adam C. Remley, the vice-president of the company in charge of sales.

Speakers included John F. Alexander, president and general manager of the company; Charles H. Reese, vice-president in charge of manufacture; Neil E. Nash, a vice-president; H. N. Pastuer and R. E. Hart of Cramer-Krasselt Company, Milwaukee, and several others.

Mr. Remley attributed the growth of the company's manufacturing facilities and new lines of paper to the sales ability of the paper merchants, and the quality of the products to the research and manufacturing departments.

A sound and color motion picture, titled "The World Behind a Watermark," was given its premiere showing at the conference. It depicted operations of the company from logging operations in Nekoosa's Canadian pulpwood camps, the making of pulp and the various operations of paper manufacturing in its Wisconsin mills, and the printing of the sheets in printing and lithographing plants. The film will be made available for use by paper merchants who are the company's distributors in meetings of their own sales staffs, and at meetings of printers' groups.

OFFERS EDUCATIONAL FILM

Eastman Kodak Company has produced a motion-picture to show before associations, schools, groups, and companies, depicting complete production of four-color process printing by offset-lithography. Its title is "Photo-Lithography" and it is a full color, 16 mm film, requiring forty-five minutes to run. Not only does it show the production of printing by the offset process, but it also shows details, such as the use of densitometer, masking for color correction, and use of other devices. A folder has been issued by the company describing the film and also telling how the use of it may be obtained by interested groups or firms. The address is Graphic Arts Sales Division, Eastman Kodak Company, Rochester, New York.

SEE BIG YEAR AHEAD

Consensus of district managers and field sales engineers of the Reliance Electric and Engineering Company, Cleveland, expressed at a four-day sales conference held in Cleveland the latter part of November, is that purchases of electric motors, generators, adjustable-speed drives and controls by the nation's key industries in 1949 will match, and may well exceed, the 1948 high-buying level. The managers

represent branches in twenty-seven cities of the United States.

In their reports the managers stated that they estimated probable purchases of electrical products and services will be derived from the plant expansion projects and the equipment modernization plans of industrial concerns, farm enterprises, and other operations which are reflected by the work of engineers whose drawing board results have been approved by managements.

Included among the kinds of industries from which the district managers are sure of obtaining large volume of business are paper mills, paper converters, lithographers, and others in the graphic arts.

TELLS OF GROWTH

Pacific Press, Incorporated, Los Angeles, which has grown from forty-eight employees in 1923, to ninety-three in 1933, to 197 in 1943, now employs 1,225 men and women, so a report indicates which was given at a meeting of employees in Hollywood, November 12. The report was given by W. B. Clum, president, who also presented service pins to employees according to the years of their service. Pacific Press started as a producer of shopping weeklies, then developed into a magazine printer, and now prints western editions of *Life*, *Time*, and several other national magazines on high-speed web-feed, multi-color presses.

When Inks Act Up...

BRING THEM BACK
TO "PRINTING PEAK"

with

"33"

INK CONDITIONER



You'll never need to cuss your inks when you condition them with "33". It quickly adjusts all inks to actual pressroom conditions... and assures a uniform ink flow all day long. Presswork improves noticeably. Halftones stay "clean and open." Colors print more brilliantly—always the same on every job. You get greater coverage. Fewer re-runs are necessary.

See your dealer or jobber—or write direct for an 8-lb. trial can, as guaranteed below. Ask for a free copy of "TO THE PRESSMAN".



"33" (Letterpress)

"0-33" (Litho and Multilith)

Central

COMPOUNDING COMPANY

1718 North Damen Avenue, Chicago 47, Illinois

IN CANADA—It's CANADIAN FINE COLOR CO., LTD., TORONTO
Export Division: Guiterman Co., Inc., 35 South William Street, New York 4, N. Y.

Use this coupon for your
8-LB. TRIAL OFFER

If our Ink Conditioner does not satisfy you completely, please return the unused portion at our expense. Order today! Convince yourself by test!

100% GUARANTEE

CENTRAL COMPOUNDING COMPANY

1718 North Damen Avenue, Chicago 47, Ill.

Gentlemen: Please give me full information about "33" and "0-33".

() Send data sheet "TO THE PRESSMAN"

() Ship 8-lb. can for pressroom test

Name _____

Street Address _____

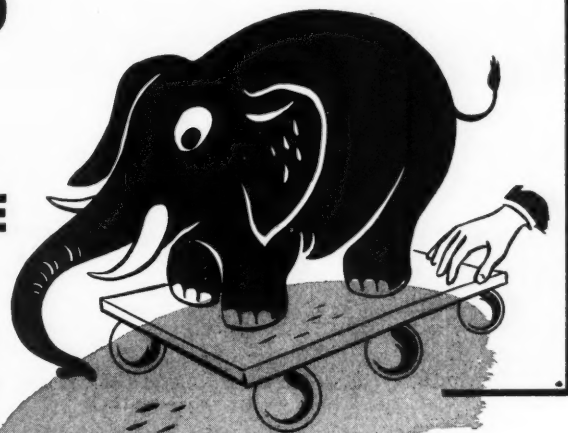
Town _____

State _____

**YOU CAN'T OVERLOAD
THE *Glider's*
BALL BEARING TABLE**



MODEL G-4



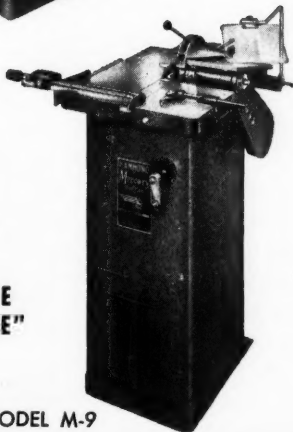
HAMMOND
Glider **TRIMOSAW**
MODEL G-4

A Feather-Touch is all it takes to saw type-high stereotypes, because you can't overload the Glider's ball bearing table. Whether sawing a full-page type-high cast or a single slug, the "feel" is practically the same.

Further, this construction provides maximum precision as there is no sideplay whatever. The Glider's table is like a ball bearing race-way, the only difference being the ways are in a straight line.

HAMMOND
Mercury
TRIMOSAW

"THE SAW WITH THE
BALL BEARING GAUGE"



MODEL M-9

HAMMOND
Ben Franklin
TRIMOSAW

"FINEST QUALITY SAW IN
THE LOW PRICE FIELD"



MODEL BF-10

Hammond Machinery Builders
INC.

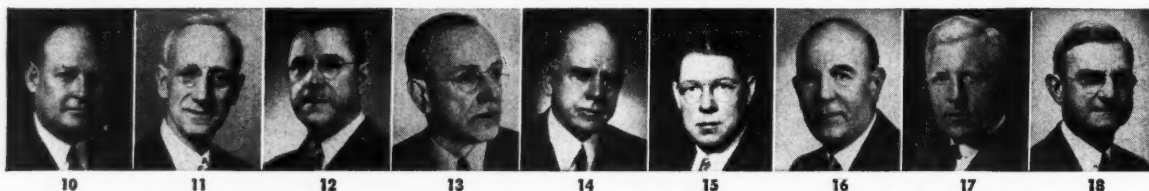
1616 DOUGLAS AVENUE

KALAMAZOO, MICHIGAN

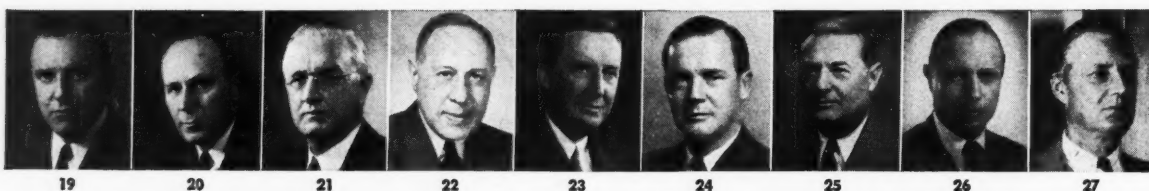
When Writing These Advertisers, Please Mention THE INLAND PRINTER



JOIN THESE TOP EXECUTIVES



IN MAKING YOUR BUSINESS SECURE!



You're looking at the Industrial Advisory Committee for the United States Treasury Department. For the good of the nation's business generally—and of their own companies specifically—these men have been applying their talents and prestige all year to promoting sales of U. S. Savings Bonds via the Payroll Savings Plan.

They have sponsored the Plan in their own plants. They have made speeches, written letters, and boosted participation in the Plan among other companies in their fields. During the past 12 months, these industrial leaders have helped bring about the greatest surge in Payroll Savings participation. Now over 20,000 large companies have introduced this plan, and more than 7,500,000 employees are signed up for security. They are saving over \$150,000,000 per month!

With their keen business vision and experience, these men fully appreciate

how sales of Savings Bonds benefit everyone: the individuals who buy them, the companies that operate the Payroll Savings Plan, and the nation over-all.

Is your company getting its full share of the Plan's benefits? To find out, call your State Director, U. S. Treasury Department's Savings Bonds Division.

- | | |
|--|---|
| 1 JAMES B. BLACK, Pres., Pacific Gas & Electric Co. | 14 EUGENE G. GRACE, Chairman, Bethlehem Steel |
| 2 ALBERT BRADLEY, Ex. V. P., General Motors Corp. | 15 H. FREDERICK HAGEMANN, Jr., Chrm., ABA Treas. Savings Bonds Comm. |
| 3 EARL BUNTING, Managing Director, National Assn. of Mfrs. | 16 HARRY B. HIGGINS, Pres., Pittsburgh Plate Glass Co. |
| 4 PAUL F. CLARK, Chrm., Board of Dir., John Hancock Mutual Life Ins. Co. | 17 JOHN HOLMES, Pres., Swift & Company |
| 5 PHILIP R. CLARKE, Pres., City Nat'l. Bank & Trust Co. | 18 CHARLES HOOK, Chairman, Armco Steel Corp. |
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| 9 EUGENE FLACK, Past Pres., Natl. Fed. of Sales Executives | 22 ERNEST MAHLER, Exec. V. P., Kimberly Clark Corp. |
| 10 ROBERT FLEMING, Pres., Riggs National Bank | 23 JOHN J. O'CONNOR, Finance Dept., U. S. Chamber of Commerce |
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| 12 ALEXANDER FRASER, Pres., Shell Union Corp. | 25 HERBERT E. SMITH, President, U. S. Rubber Co. |
| 13 WALTER D. FULLER, Pres., Curtis Publishing Co. | 26 J. P. STEVENS, Pres., J. P. Stevens & Co., Inc. |
| | 27 WALTER WHITE, Asst. to the Chrm. of Business Advisory Council for Department of Commerce |

The Treasury Department acknowledges with appreciation the publication of this message by

THE INLAND PRINTER

This is an official U. S. Treasury advertisement prepared under the auspices of the Treasury Department and the Advertising Council.



Presenting

THE KODAK

Color Densitometer

Model 1

HERE is a low-priced, easily operated, compact transmission densitometer of the comparator type that will eliminate the guesswork in your production of balanced sets of color separations.

Ruggedly constructed of lightweight materials, the Kodak Color Densitometer provides a handy, scientific tool to back up the skill and judgment of your operators. Essential for the application of masking methods, this accurate, inexpensive instrument speeds the production of both color and black-and-white work in your shop. A "must" for every operator in your camera department, the Kodak Color Densitometer, Model 1, helps to determine, with scientific accuracy, the density range of color transparencies. It is also essential for the efficient check of mask densities, for adjusting exposure and development times, and for measuring the balance of separation negatives and positives.



A rugged, compact, scientific instrument for precise measurement of transmission densities.



The three-dimensional density wedge of stable plastic provides a well-spaced, easily read scale.

The Kodak Color Densitometer, Model 1, is designed for quick, accurate reading; ready for immediate use at the flip of the switch. A three-dimensional plastic wedge gives a uniformly spaced density scale, permitting high densities to be read as easily as low ones. Having an effective

work area up to the center of an 8 x 10-inch film or plate, the new Kodak Color Densitometer has a density range from 0.0 to 3.0 in gradations of 0.05; up to 4.0 with the addition of a neutral density filter. It has built-in filters for color film analysis and operates on 110 to 125 volts, 50 to 60 cycles, alternating current. List price, \$50, from your Kodak Graphic Arts dealer.

Price subject to change without notice

Graphic Arts Division EASTMAN KODAK COMPANY
ROCHESTER 4, N. Y.

"KODAK" IS A TRADE-MARK

Kodak

CAMERAS

STRIP FILM

PRINTING FRAMES

ELECTRONIC TIMERS

DEVELOPING TANKS

ETCHING MACHINES

PLATE WHIRLERS

SCALES

BURNING-IN OVENS

CHEMICALS

STRIPPING TABLES

POWDER CABINETS

TEMPERATURE CONTROLLED SINKS

STAINLESS SINKS

NEGATIVE DRYERS

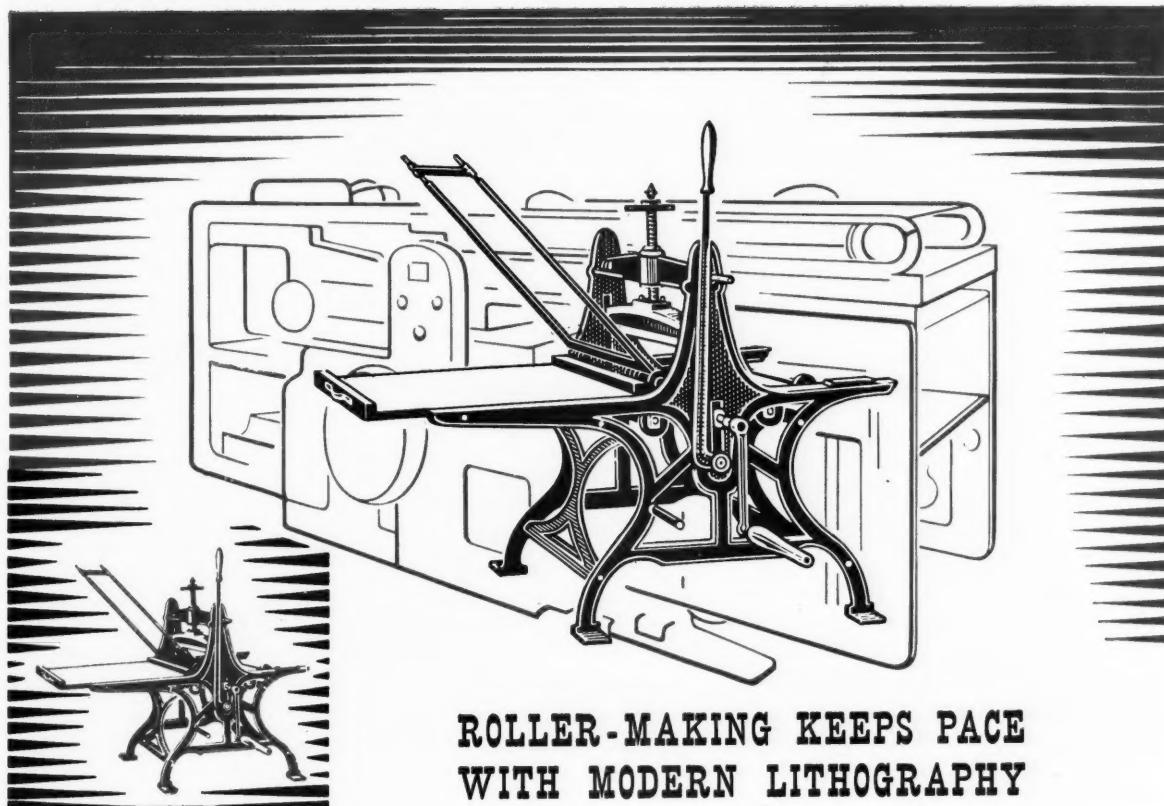
CHEMCO is a name synonymous with the finest in equipment and supplies for the photoengraving and high standards of quality which are built into every Chemco product make this wide line the standard of the industry.

CHEMCO PHOTOPRODUCTS COMPANY, INC.

Factory and General Offices: Glen Cove, N. Y.

Branches:

New York • Chicago • Detroit • New Orleans • Boston • Atlanta • Dallas



ROLLER-MAKING KEEPS PACE WITH MODERN LITHOGRAPHY

Alois Senefelder's brain-child was a long time coming of age. Invented in 1796 to print plays inexpensively, offset lithography didn't take its place as a full-fledged member of the graphic arts industry until the early part of the 20th century.

In 1819, the *Analectic*, a magazine published in Philadelphia, began publishing lithographs of drawings. But except for circus posters, calendars and handbills, lithography, like etching, remained a method for artists rather than printers.

Then, with the invention of offset printing in 1875, lithography as an inexpensive means of producing fine results became increasingly popular. But it wasn't until the early 1900s and the perfection of color offset that lithog-

raphy offered serious competition to letterpress printing.

As new lithographic techniques developed, lithographers relied on Samuel Bingham, America's first roller-making specialist, and later on his successor, SAM'L BINGHAM'S SON MFG. CO., to meet their new demands with new kinds of rollers. Assured of an adequate supply of superior quality rollers, lithography soon became a multi-billion dollar industry.

Today, SAM'L BINGHAM'S SON MFG. CO., through 16 modern, conveniently located factories, still continues to help lithographers and printers cut their costs and improve their production by supplying them with "the right roller, right away".

OVER ONE HUNDRED YEARS OF ROLLER MAKING

FACTORIES

ATLANTA 3	DES MOINES 2
CHICAGO 5	DETROIT 10
CLEVELAND 14	HOUSTON 6
DALLAS 1	INDIANAPOLIS 2

SAM'L BINGHAM'S SON MFG. CO.
MANUFACTURERS OF
PRINTERS' ROLLERS
LITHO-OFFSET ROLLERS

FACTORIES

KALAMAZOO 12	OKLAHOMA CITY 6
KANSAS CITY 6	PITTSBURGH 3
MINNEAPOLIS 15	ST. LOUIS 2
NASHVILLE 3	SPRINGFIELD, O.

MAKERS OF RUBBER • NON-MELTABLE • FABRIC-COVERED • ROTOGRAVURE • OFFSET • COMPOSITION • VARNISH-LACQUER • GRAINING **ROLLERS**

When Writing These Advertisers, Please Mention THE INLAND PRINTER

Dross is a Monster...



JMLco F-EEI

... subsisting chiefly on tin!



Every time you melt type metal you get Dross, a monster which eats up essential ingredients of the metal, *especially tin*.

FEDERATED MOR-TIN used regularly according to formula restores tin lost in dross. And you need not make a large cash outlay for MOR-TIN; do it the easy way—trade in your dross.

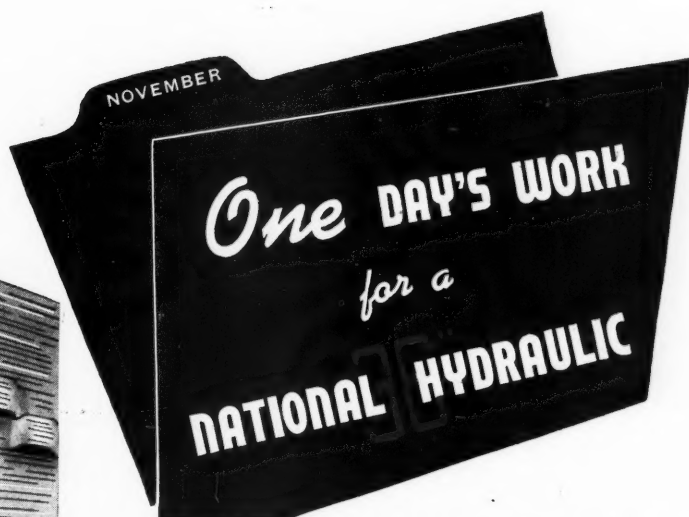
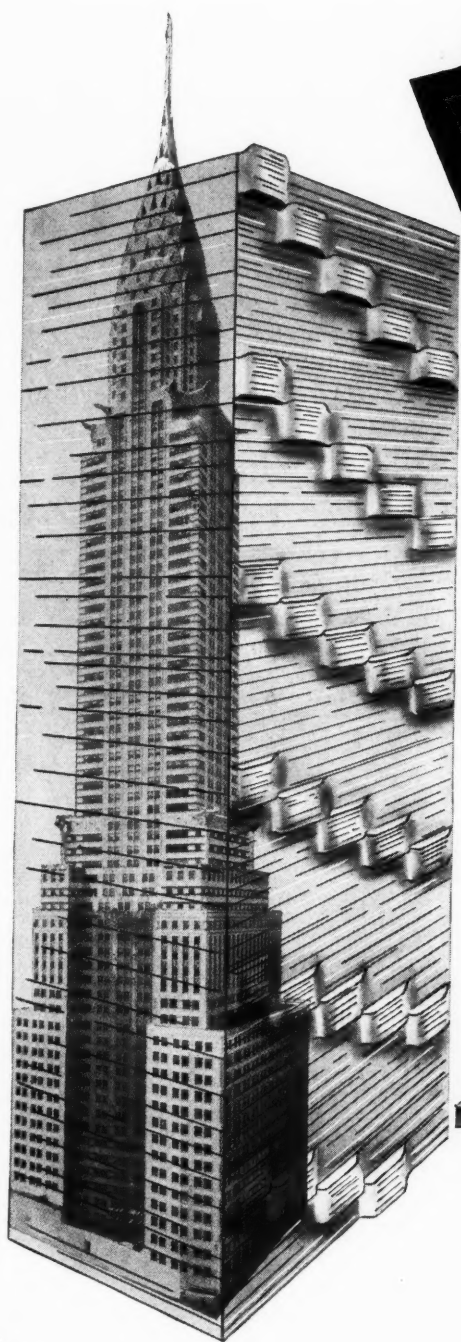
You get perfect casting and you cut operating costs by following the Federated MOR-TIN reconditioning plan.

To obtain further information, or to order—MOR-TIN stereotype, linotype, electrotpe, monotype and all other metals for the graphic arts industry—call or write any of Federated's eleven plants or twenty-five sales offices across the nation.



Federated METALS

Division of American Smelting and Refining Company, 120 Broadway, New York 5, N. Y.



... cutting tabs on a stack of file folders nearly as high as the Chrysler Tower.

That's the actual output of a NEW NATIONAL 36 HYDRAULIC cutter working at the rate of 120,000 folders per hour.

Tab cutting is a "plus feature" available only with National Cutters — all of which are equipped to do VERTICAL as well as SHEAR cutting.

National Hydraulics make every cutting operation easier — because they are FULLY HYDRAULIC. Both the automatic clamp and the knife itself are powered by hydraulic action.



Watch for the 57" Hydraulic Coming Soon.

NATIONAL *Cutter Division*

of the FRANK M. HILL MACHINE CO., Woburn, Massachusetts

Please Mention THE INLAND PRINTER When Writing To Advertisers

IT'S HERE!
IT'S OUTSTANDING!
IT'S NEW!

...The LITHO-KING



**THE MOST PRODUCTIVE
OFFSET PRESS IN THE WORLD TODAY!**

Meeting today's demand for more color at competitive prices, the LITHO-KING is the fastest and most productive offset press in the world. Its speed and dependability have been proved conclusively in high-speed, day-to-day operation!

Roll or web fed, The LITHO-KING prints in two colors on one side or one color on both sides, imprints, numbers, perforates and delivers a sheet 8½" wide and ranging in length to a maximum of 14" ... all in a single operation!

The LITHO-KING outproduces presses of much

larger size, performing an exceptional variety of work ... letterheads, forms of every description, direct and mail material, handbills, cards and many other routine and special jobs.

**THE LITHO-KING DOES ALL THIS AND MORE AT
THE TREMENDOUS SPEED OF UP TO 30,000
SHEETS PER HOUR!**

Its versatility and high-speed quality production makes The LITHO-KING an outstanding money maker. Day after day, this press will give you incredible results.

WRITE TODAY FOR FULL INFORMATION

 **IMPERIAL LITHOGRAPH PRESS CORP.** 11 WEST 42nd ST., New York 18, N. Y.

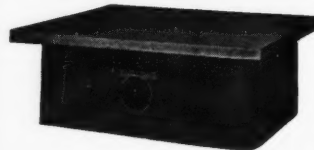
SOMETHING NEW FOR MIEHLE VERTICALS . . . 10-W BELTS

This is the first announcement of the new fabric type belt. It is so made that it is **GUARANTEED** not to stretch more than one inch, and **GUARANTEED** against breakage for **SIX MONTHS**. The cost is less than that of a top grade leather belt. Oil cannot affect its life.

Order 10-W belts for your Miehle Verticals **NOW**. Priced at \$10.40 each, postpaid. You can't lose. Order them today.

JACK BEALL VERTICAL SERVICE
639 S. Dearborn Street Chicago 5, Illinois

Why Continue To Spend Long Tedious Hours— Jogging Paper?



Long, tedious, costly hours of winding, bouncing, hammering paper stock can be eliminated with Jog-A-Way Paper Jogging Machines. Many jobs are done in 1/4th to 1/6th the time required for hand jogging. Handles onion skin and carbons to heavy board.

**Write Today For Brochure Showing
All 5 JOG-A-WAY Models
And Description of Operation**

THE M. L. ABRAMS CO.

"Your Supply House"

1639 Superior Ave., Cleveland 14, Ohio

Insist on Megill's Gauge Pins For Use on All Job Presses

**MEGILL'S Spring Tongue®
Patent GAUGE PINS**



**REMEMBER. Only Megill makes
"Spring Tongue" Gauge Pins. \$1.80
doz. with extra Tongue.**

**MEGILL'S Original Steel®
Patent GAUGE PINS**



Head 12, 15 or 18 pt. high. 75c doz.

THE PIONEER IN 1870

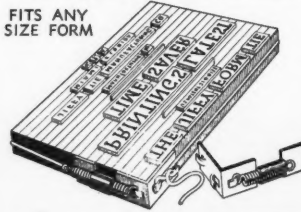
THE EDWARD L. MEGILL CO.

763 ATLANTIC AVE., BROOKLYN 17, N. Y.

WORLD'S FASTEST FORM-TYING METHOD!

Saves \$150 per Year per Man

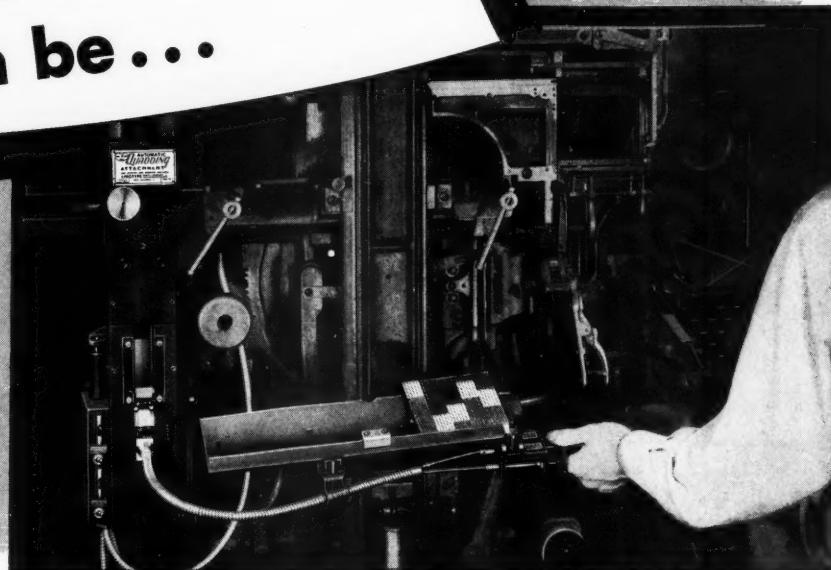
**FITS ANY
SIZE FORM**



**Revolutionary Jiffy Form Tie introduced
last year — now used throughout U. S. —
greatest time-saving advance in modern
printing.**

TRY THEM AT OUR EXPENSE. Send us a \$34 "1-man-order" (100 Jiffy Form Ties, \$30; speed rack, \$4.) Try them one month. If not satisfied, return and bill will be cancelled. Postpaid in U. S. **JIFFY TIE MFG. CO., 1419 N. W. 8th TERRACE, MIAMI, FLA.**

**Now! A MODERN
IMPROVED QUADDER
that can be . . .**



EASILY and QUICKLY INSTALLED on any outstanding Linotype or Intertype Machine

No longer is it necessary to sacrifice your present good equipment in order to get the economies of automatic spacing.

In the STAR AUTOMATIC QUADDER Attachment you get these advantages:

- ★ Mechanism well away from squirt area. Squirts treated same as on non-quadding machine
- ★ Electric Precision Pump Stop reduces to minimum the possibility of squirts

- ★ Controls within easy reach of operator
- ★ Easily and quickly attached to existing equipment
- ★ Simple mechanism. Comparatively few parts

SAVE

- ★ 40% or better of setting time on matter that calls for centering, left or right flush alignment
- ★ Needleless purchase of new equipment to get the economies of automatic spacing

Send at once for further information about the

STAR AUTOMATIC QUADDING ATTACHMENT

PRECISION

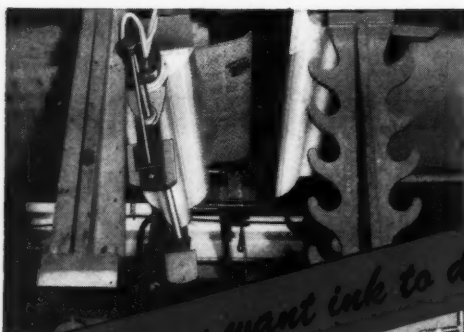
TRADE ★ MARK

LINOTYPE PARTS COMPANY

Factory and Main Office
SOUTH HACKENSACK, NEW JERSEY

Branch Office
1327 Broadway, Kansas City 6, Mo.

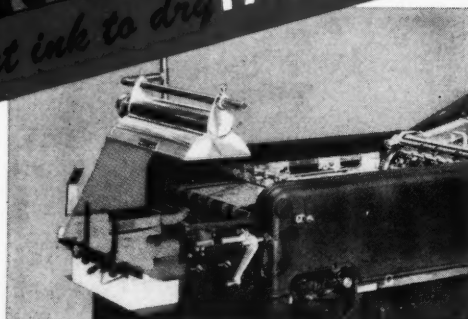
CHICAGO • MINNEAPOLIS • DENVER



Doyle Sheet Dryers on a Webendorfer Web offset.

when you want ink to dry **FASTER...**

Doyle Sheet Dryer on a Little Giant.



use DOYLE INFRARED *Sheet Dryers*

- High temperature radiant heat to speed up ink-setting, cut down offsetting and aid in the control of static is obtained most conveniently by use of Doyle Sheet Dryers. They present no hazards of fumes or open flames and have no other objectionable accompaniments.

- Whether you operate cylinder, platen, rotary, offset, gravure, newspaper or specialty presses, also ruling or coating machines, or folders, Doyle Sheet Dryers will help you solve your problems. Write for complete information:

THE J. E. DOYLE COMPANY

Manufacturers also of Doyle Vacuum Sheet Cleaners

1220 WEST 6th STREET

CLEVELAND 13, OHIO

COPY-FITTING is EASIER and FASTER with the **HABERULE** Visual COPY-CASTER

If you create or print folders, booklets, broadsides, catalogs or books—if you design or write newspaper or magazine ads—if you have to translate the written word to the printed work, you definitely cannot afford to be without the Haberule. Now in daily use by more than 36,000 artists, advertising men, printers, editors, copywriters, apprentices and students, the Haberule is eliminating much of the worry and financial loss of type jobs that go wrong. Anyone can use it in a few minutes.

763 typefaces; 4000 fonts; sizes 4 to 18 pt. Pocket size, plastic bound. Complete with Haberule Gauge... **6.00**

At Your Artist Material Store or
HABERULE PUBLISHING CO.
Dept. D—7 East 42nd Street, New York 17

FROM DAY ONE



JANUARY

ALL THRU THE YEAR



FEBRUARY

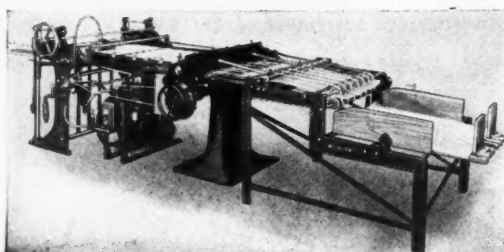
STOCK CUTS and STOCK PHOTOS

Save Your Time—Money
Request PB-5 from Cobb Shinn now. This sixty-four page, size 9 x 12, plastic bound Booklet, contains ideas in Stock Cuts and Stock Photos that are easy to use and economical.

PB-5 is FREE. Write Now.

COBB SHINN

721 Union St., Indianapolis 4, Ind.



Nygren-Dahly Perforator
equipped with
McAdams Pneumatic Feeder
and Automatic Layboy

MAKE YOUR ROTARY PERFORATOR WORK! McADAMS FEEDS AND DELIVERS 7500 AN HOUR

Plan to improve your perforating facilities—for better work—for lowering of production costs—for easier handling of every perforating job.

Equip your new or used rotary perforator with McAdams famous pneumatic feeder and McAdams automatic and capacious delivery layboy. Every unit is in perfect adjustment for speed up to 7500 an hour.

Operates by remote variable speed control and takes any weight stock up to 3-ply index. Write for McAdams Catalog.

JOHN McADAMS & SONS, Inc.

Albert Broadmeyer, President

20-22 ENIGHT STREET • NORWALK, CONN., U.S.A.
ESTABLISHED 1842

"McAdams Feeder Insures Accurate Register"





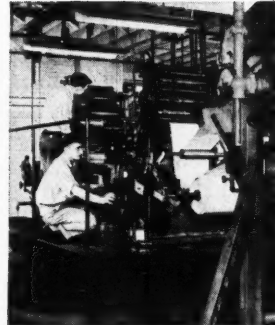
Got a beauty to print? Try our Holdfast* Half-tone Blacks. They print clean, sharp; dry in 4 to 6 hours, faster with heat; available in non-scratch formulations, too.



Our Everyday* line of packaged inks enables printers to reduce ink inventory, yet be prepared to do beautiful color... and black-and-white... printing of all kinds.



Our Gemtone* Process Colors for sheet-fed presses look as bright when dry as they do when wet. You get sparkling results because they dry on top of the sheet... fast!



More than 200 publications use our Vaporin* heat-set inks for web presses. Other Vaporin formulations, for sheet-fed presses, dry rapidly with only gas bar heat.



Our Vaposet* inks set in moisture. Ideal for packaging, they are odor-free, have excellent waxing and heat-sealing qualities, and set instantly on moist corrugated board.

KEEP IN TOUCH

WITH  FOR

COMPLETE INK SERVICE

117 WESTMAN OF CHEMICAL CORPORATION
200 FIFTH AVE., N.Y. 1 • ADDRESS INQUIRIES DEPT. 10
Branches in all major industrial cities



We have a complete line of inks for fibre board containers. Our Vaposet inks set instantly on moist, corrugated board, eliminate waiting for either board or inks to dry.



IPI* is a leader in inks for package printing—letterpress and offset—for paper bags, cotton bags, folding boxes, transparent materials, metals, plastics, foils and glass.



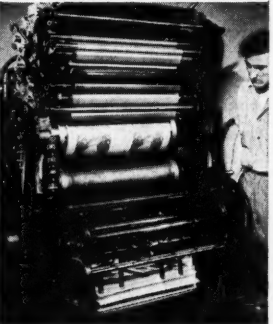
Our Anilox* inks for aniline printing provide opacity where it's needed on transparent package materials. They're 100 per cent pigmented and highly lightfast.



IPI has years of experience in news-color printing—offers R.O.P. colors, half-tone colors, process colors, and "know how." News blacks? Of course, for every type of press.



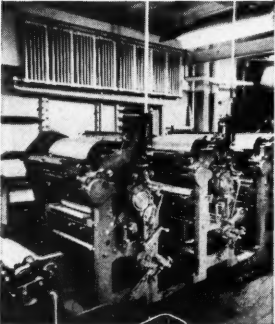
We make a complete line of metal decorating inks, including our Ellixir* inks for quality wet-ink varnishing...which also give excellent results when dry varnished.



Greasing, scumming, emulsification, and bleeding are reduced with our Press-tested* offset inks. They're tested on presses which lithographers, themselves, use.



Our Tri-Metal* offset plate permits press runs of a half-million impressions or more with remarkable uniformity. The last impression is as clean and sharp as the first.



Our Vapolith* inks for web offset presses set instantly with heat. Vapolith inks for sheet-fed presses dry without heat in one to five hours, produce brilliant color.



IPI is practically a "department store for litho supplies." We have plates, blankets, Aquatex, Dampabase, and anything else you may need—including quick service.

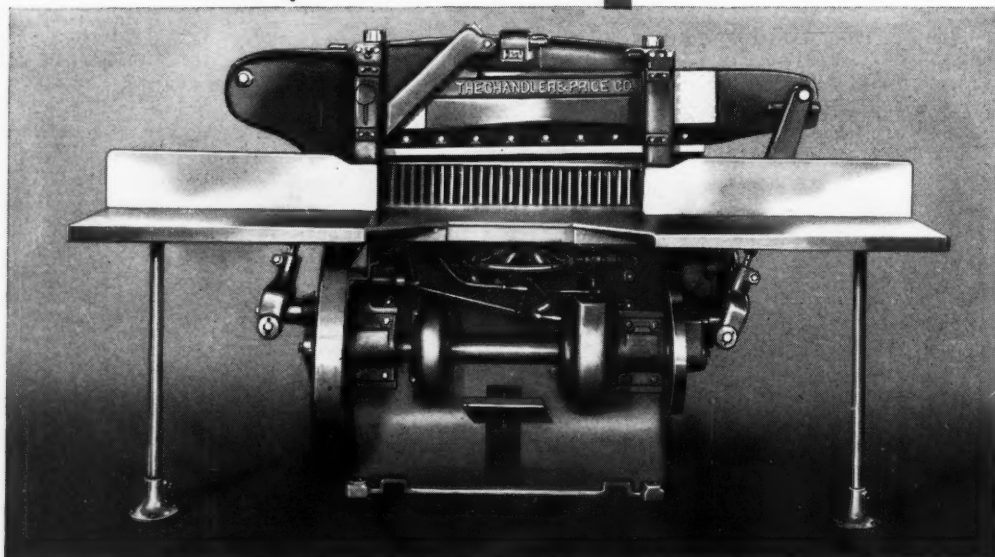
When Writing These Advertisers, Please Mention THE INLAND PRINTER

CHANDLER & PRICE AUTOMATIC CUTTERS

39" 44" 50"

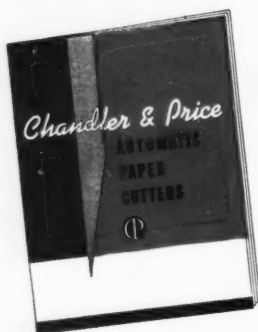
Proved

BY YEARS
OF SERVICE



Available for Prompt Delivery

• When you decide upon a C&P Automatic Cutter, you choose a cutter with *proved performance* that will handle your cutting problems for years to come. There is nothing experimental about C&P cutters—thousands of plants—large and small—have time-tested and job-tested these cutters to their complete satisfaction.



Specification sheets and a descriptive booklet fully illustrated will be sent on request. Write us.



**CHECK
THESE
C & P FEATURES
BEFORE YOU BUY
ANY CUTTER**

- ✓ Accurate Cutting
- ✓ Rigid, Unyielding Construction
- ✓ One piece base casting
- ✓ Substantial ribbed cutting table
- ✓ Quick-acting back gauge lock
- ✓ Double shear-cutting knife motion
- ✓ Cutter cannot repeat
- ✓ Bridge-truss knife bar
- ✓ All controls within easy reach
- ✓ Readily accessible binder adjustment
- ✓ Multiple disc clutch
- ✓ Sliding panel in knife slot keeps out trimmings
- ✓ Three part back gauge
- ✓ Easy, convenient knife adjustment
- ✓ "One shot" lubrication if desired
- ✓ Self-adjusting brake
- ✓ Motor mounted below cutting table
- ✓ Illuminated tape magnifier
- ✓ A size to fit your needs, 39", 44", 50"
- ✓ Extension tables available for all sizes
- ✓ Proved performance
- ✓ Prompt delivery

THE CHANDLER & PRICE COMPANY

CLEVELAND, OHIO



Manufacturers of Printing Machinery for over 60 Years



6

SIX DIFFERENT KINDS OF LISTINGS ARE INCLUDED IN THIS DIRECTORY OF MACHINERY, EQUIPMENT, SUPPLIES, AND PAPER TO BE USED BY THE GRAPHIC ARTS INDUSTRY

1

Manufacturers of machinery, equipment, and supplies are listed alphabetically by products. See next page for complete explanation of how to use simplified classification system.

2

All printing papers are classified alphabetically by kinds of paper. Various makers of each kind are shown.

3

Popular brand names of paper are listed alphabetically, with makers of each brand shown.

4

A list of advertisers and other important firms shows the addresses of the branch offices, to the nearest of which readers will wish to direct their inquiries and orders.

5

A representative group of leading printing machinery dealers is listed alphabetically.

6

Booklets and other educational material offered by advertisers free to the trade are classified and described. Mailing card is included. This is another I-P service for you.



THE INLAND PRINTER'S



of EQUIPMENT and SUPPLIES

While compilers of this directory have taken every precaution to insure accuracy, guarantee cannot be made against the possibility of a change, error, or omission in the various listings. Every effort has been made to secure authentic information direct from supply firms, equipment manufacturers, and the paper mills.



ADDRESSING and MAILING MACHINES

- 1 Addressing
 - 2 Mailing
 - 3 Metered Mail Machines
 - 4 Stamp Affixers and Envelope Sealing Mach.
 - 5 Strip Printing
 - 6 Wrapper Printing and Wrapping
- 1 2 3 4 5 6
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland 17, Ohio
- 1 2 3 4 5 6
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.
- 1 2 3 4 5 6
BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.
- 1 2 3 4 5 6
★CHESHIRE Mailing Machines, 1415 Altgeld St., Chicago 14, Ill.
- 1 2 3 4 5 6
COMMERCIAL Controls Corp., 640 Culver Rd., Rochester 2, N. Y.
- 1 2 3 4 5 6
DICK Mailer, The, 137 W. Tupper St., Buffalo 1, N. Y.
- 1 2 3 4 5 6
ELLIOT Addressing Machine Co., 143 Albany St., Cambridge 39, Mass.
- 1 2 3 4 5 6
NATIONAL Cash Register Co., Dayton 9, Ohio
- 1 2 3 4 5 6
NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.
- 1 2 3 4 5 6
PAYVER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
- 1 2 3 4 5 6
PITNEY Bowes, Inc., 757 Pacific St., Stamford, Conn.
- 1 2 3 4 5 6
POLLARD-Alling Mfg. Co., 220 W. 19th St., New York, N. Y.
- 1 2 3 4 5 6
STANDARD Mailing Machine Co., 1935 Revere Beach Pkwy., Everett 39, Mass.
- 1 2 3 4 5 6
WING'S, Chauncey, Sons, 78 Pierce St., Greenfield, Mass.

ADHESIVES

- 1 Bookbinders' Glue
 - 2 Cut Mounting Cement
 - 3 Envelope Gums
 - 4 Liquid Solders
 - 5 Mailing Room Paste
 - 6 Makersready Paste
 - 7 Mounting, Cardboard
 - 8 Padding Cement
 - 9 Rubber Cement
 - 10 Splicing Paste
 - 11 Tape Cement
 - 12 Plastic Adhesives
- 1 2 3 4 5 6 7 8 9 10 11
ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N. Y.
- 1 2 3 4 5 6 7 8 9
★AMERICAN Roller Co., 1342 N. Halsted St., Chicago 22, Ill.
- 1 2 3 4 5 6 7 8 9
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
- 1 2 3 4 5 6 7 8 9
ARABOL Mfg. Co., 110 E. 42d St., New York 17, N. Y.
- 1 2 3 4 5 6 7 8 9
ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3
- 1 2 3 4 5 6 7 8 9
BINGHAM Brothers, Inc., 154 Nassau St., New York 1
- 1 2 3 4 5 6 7 8 9
BOND Adhesives Co., 255 Wallabout St., Brooklyn 6
- 1 2 3 4 5 6 7 8 9
BOOTH, E. A., Rubber Co., Rockefeller Bldg., Cleveland 13, Ohio
- 1 2 3 4 5 6 7 8 9
BROWN, Lindsay, Paint Co., 2601-75 W. Grand Ave., Chicago 12, Ill.
- 1 2 3 4 5 6 7 8 9
BUCKEYE Paste Co., 270 So. Wall St., Columbus 15, Ohio
- 1 2 3 4 5 6 7 8 9
BURRAGE Glue Co., 15 Vandewater St., New York 7
- 1 2 3 4 5 6 7 8 9
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
- 1 2 3 4 5 6 7 8 9
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
- 1 2 3 4 5 6 7 8 9
CLARK Stek-O Corp., 1631 Dewey Ave., Rochester 13, N. Y.
- 1 2 3 4 5 6 7 8 9
COMMERCIAL Paste Co., Columbus 8, Ohio
- 1 2 3 4 5 6 7 8 9
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
- 1 2 3 4 5 6 7 8 9
DE VERE Co., 2000 Clark St., Racine, Wis.
- 1 2 3 4 5 6 7 8 9
ECONO Products Inc., 132 Humboldt St., Rochester 10, N. Y.
- 1 2 3 4 5 6 7 8 9
FINDLEY, F. G., Co., 3033 W. Pemberton Ave., Milwaukee 5, Wis.

How to Use This Directory

● Items in this directory have, we believe, been listed in as comprehensive a manner as possible. Items have been cross-referenced. Certain related items have been grouped and sub-indexed by key numbers to facilitate finding, as, for example, "Adhesives." Under each firm name are key numbers showing the particular types of adhesives manufactured. These key numbers are spaced so they are aligned directly beneath the line of numbers immediately below the sub-classifications. Find the key number of the adhesive desired in the top line, trace vertically down the column with a straight-edge, and all the firms having that key number listed will easily be found.

- 1 2 3 4 5 6 7 8 9 10 11
FLINT, Howard, Ink Co., 2546 Clark Ave., Detroit 9, Mich.
- 1 2 3 4 5 6 7 8 9 10
FULLER, H. B., Co., 255 Eagle St., St. Paul 2, Minn.
- 1 2 3 4 5 6 7 8 9 10
GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago 7, Ill.
- 1 2 3 4 5 6 7 8 9 10
GODFREY Roller Co., 215 N. Camac St., Philadelphia 7, Pa.
- 1 2 3 4 5 6 7 8 9 10
GREEN'S Paste Works, Box 7, Syracuse, N. Y.
- 1 2 3 4 5 6 7 8 9 10
★HART, Wm. C., Co., Inc., 137 Green St., New York 12, N. Y.
- 1 2 3 4 5 6 7 8 9 10
HOYT, Arthur S., Co., Inc., 175 Fifth Ave., New York 10, N. Y.
- 1 2 3 4 5 6 7 8 9 10
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
- 1 2 3 4 5 6 7 8 9 10
LAYTON Elastic Glue Co., 1244 N. Central Park Ave., Chicago 51, Ill.
- 1 2 3 4 5 6 7 8 9 10
LEE Hardware Co., 250 N. Santa Fe Ave., Salina, Kan.
- 1 2 3 4 5 6 7 8 9 10
LE PAGE'S, Inc., Essex Ave., Gloucester, Mass.
- 1 2 3 4 5 6 7 8 9 10
LOX Mfg. Co., 3310 E. 31st St., Kansas City 3, Mo.
- 1 2 3 4 5 6 7 8 9 10
LUTHER, J. P., Co., 173-81 So. Pearl St., Berlin, Wis.
- 1 2 3 4 5 6 7 8 9 10
MANHATTAN Paste & Glue Co., 425 Greenpoint Ave., Brooklyn 22, N. Y.
- 1 2 3 4 5 6 7 8 9 10
MATTHEWS, Jas. H., & Co., 3950 Forbes St., Pittsburgh 13, Pa.
- 1 2 3 4 5 6 7 8 9 10
MAY Chemical Works, 902 Larrabee St., Chicago 10, Ill.
- 1 2 3 4 5 6 7 8 9 10
MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10, Ill.
- 1 2 3 4 5 6 7 8 9 10
METZGER, Alfred E., 30 Irving Pl., New York 3, N. Y.
- 1 2 3 4 5 6 7 8 9 10
MILWAUKEE Printers Roller Co., 422 S. Fourth St., Milwaukee 4, Wis.
- 1 2 3 4 5 6 7 8 9 10
MONSANTO Chemical Co., Merrimac Div., Everett 49, Mass.
- 1 2 3 4 5 6 7 8 9 10
NATIONAL Adhesives, Div. of National Starch Products, 270 Madison Ave., New York 16, N. Y.
- 1 2 3 4 5 6 7 8 9 10
NATIONAL Roller Co., 307 Pearl St., New York 7
- 1 2 3 4 5 6 7 8 9 10
OSGOOD-Globe Corp., 33 Purchase St., Boston 10, Mass.
- 1 2 3 4 5 6 7 8 9 10
★PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
- 1 2 3 4 5 6 7 8 9 10
PECK, James I., 47 High St., West Orange, N. J.
- 1 2 3 4 5 6 7 8 9 10
RAYCO Type Founders, 604 W. Lake St., Chicago, Ill.
- 1 2 3 4 5 6 7 8 9 10
ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.
- 1 2 3 4 5 6 7 8 9 10
SHOEMAKER, J. L., & Co., 15 S. Sixth St., Philadelphia 6, Pa.
- 1 2 3 4 5 6 7 8 9 10
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
- 1 2 3 4 5 6 7 8 9 10
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.
- 1 2 3 4 5 6 7 8 9 10
S S RUBBER Cement Co., 314 N. Michigan Ave., Chicago 1, Ill.
- 1 2 3 4 5 6 7 8 9 10
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.
- 1 2 3 4 5 6 7 8 9 10
STOKES, A., Co., Hudson, Ohio

- 1 2 3 4 5 6 7 8 9 10 11
TAYLOR Glue Co., Concord, N. H.
- 1 2 3 4 5 6 7 8 9 10 11
TRI-Tix, Inc., 3727 N. Palmer St., Milwaukee 12, Wis.
- 1 2 3 4 5 6 7 8 9 10 11
TWIN CITY Printers Roller Co., 505 S. 3rd St., Minneapolis 15, Minn.
- 1 2 3 4 5 6 7 8 9 10 11
UNION Rubber & Asbestos Co., P. O. Box 1040, Trenton 6, N. J.
- 1 2 3 4 5 6 7 8 9 10 11
UNITED States Rubber Co., 1230 Avenue of the Americas, New York 20, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia 7, Pa.
- 1 2 3 4 5 6 7 8 9 10 11
WILLIAMSON Adhesives, Inc., 2327 W. 18th St., Chicago 8, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
WILSOLITE Corp., 501 Amherst St., Buffalo 7, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
WINN & Goodman, 440 Sansome St., San Francisco 11, Cal.

ADHESIVE TAPE, CUT-MOUNTING

- CORKPAK Co., Inc., The, 45 South St. Mount Vernon, N. Y.
- INDUSTRIAL Tape Corp., New Brunswick, N. J.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Ptg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- ★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.
- S S RUBBER Cement Co., 314 N. Michigan Ave., Chicago 1, Ill.

ADHESIVE TAPE, MASKING (for friskets, etc.)

- ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N. Y.
- DENNISON Manufacturing Company, 300 Howard St., Framingham, Mass.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Ptg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
- ★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

ADHESIVE TAPE, PRESSURE-SENSITIVE

- ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N. Y.
- BAUER & Black, Div. of the Kendall Co., 2500 S. Dearborn St., Chicago 16, Ill.
- DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
- EVER READY Label Corp., 137 E. 25th St., New York 10, N. Y.
- GUMMED Tape & Devices Co., 1318 60th St., Brooklyn 19, N. Y.
- INDUSTRIAL Tape Corp., New Brunswick, N. J.
- INTERNATIONAL Plastic Corp., 10 Park Pl., Morristown, N. J.
- KLEEN-Stik Products, Inc., 2611 S. Indiana Ave., Chicago 16, Ill.
- MILPRINT, Inc., 5th & Florida Sts., Milwaukee, Wis.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Ptg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- ★PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.

AGITATORS, INK

- GEGENHEIMER, William Inc., 78 Roebling St., Brooklyn 11, N. Y.
- MARGACH Mfg. Co., 82 Beekman St., New York 7, N. Y.
- ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis 8, Mo.

AIR BRUSHES

- DeVILBISS Company, 300 Phillips Ave., Toledo 1, Ohio
- KELLOGG Div., American Brake Shoe Co., 97 Humboldt St., Rochester 9, N. Y.
- OLSEN-Mark Corp., 124 White St., New York 13, N. Y.
- ★PAASCHE Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.

AIR, COMPRESSED, CLEANING AND DRYING UNIT

- LOGAN Engineering Co., 4901 Lawrence Ave., Chicago 30, Ill.

AIR COMPRESSORS AND PUMPS

- BECKFIELD Rotary Vacuum Blower Co., 532 First Ave., Pittsburgh 19, Pa.
- BINKS Mfg. Co., 3114 W. Carroll Ave., Chicago 12, Ill.
- DeVILBISS Company, 300 Phillips Ave., Toledo 1, Ohio
- FAIRBANKS Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
- GAST Mfg. Corp., 123 Hinckley St., Benton Harbor, Mich.
- HOLLINGSWORTH, Wm. Machine Co., 227 N. Holiday St., Baltimore 2, Md.
- KELLOGG Div., American Brake Shoe Co., 97 Humboldt St., Rochester 9, N. Y.
- LANSTON Monotype Machine Co., 24th and Locust Sts., Philadelphia 3, Pa.

LEIMAN Brothers, 166 Christie St., Newark 8, N. J.
 NEW JERSEY Machine Corp., 1800 Willow Ave., Hoboken, N. J.
 ★PAASCHE Airbrush Co., 1911 Diversey Parkway, Chicago 14, Ill.
 SPRAYOMATIC Products Co., 1120 Harrison Ave., Cincinnati 14, Ohio
 TRANE Co., 2d St. and Cameron Ave., La Crosse, Wis.
 WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
 WILBAR Sales & Engineering Co., 549 W. Washington St., Chicago 6, Ill.

AIR AND PAPER CONDITIONERS

1 Air Conditioning Equipment
 2 De-Humidifiers
 3 Humidifiers
 4 Paper Conditioners
 1 2 ADVANCE Mfg. Co., 350 N. 26th St., Louisville 12, Ky.
 1 4 AIRTEMP Division, Chrysler Corp., 1600 Webster St., Dayton, Ohio
 1 ANETSBERGER Bros., 3501 Elston Ave., Chicago 18
 1 4 AQUA-SORB Company, 21 S. 16th St., East Orange, N. J.
 3 ARMSTRONG Machine Works, 901 Maple St., Three Rivers, Mich.
 3 ★BAHNSON Company, 1001 S. Marshall St., Winston-Salem 2, N. C.
 1 3 BUFFALO Forge Co., 490 Broadway, Buffalo, N. Y.
 1 3 4 CARRIER Corporation, South Geddes St., Syracuse 1, N. Y.
 1 FLINT, G. C., Eng. Service, 842 Gunderson Ave., Oak Park, Ill.
 1 3 4 GENERAL Electric Co., 1 River Road, Schenectady 5
 1 MERIX Chemical Co., 1021 E. 55th St., Chicago 15
 1 MURRAY, D. J., Mfg. Co., 1002-1024 Third St., Wausau, Wis.
 3 OFFEN, B., and Co., 343 S. Dearborn St., Chicago 4, Ill.
 1 3 4 ★PAASCHE Airbrush Co., 1905 W. Diversey Pkwy., Chicago, Ill.
 1 PARKS-CRAMER Company, P. O. Box 444, Fitchburg, Mass.
 1 3 POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
 1 2 3 R. L. HUMIDIFIER & Vent Co., 99 Chauncy St., Boston 11, Mass.
 1 3 SKILBECK Mfg. Co., 1612 60th St., Kenosha, Wis.
 3 SOUTHWORTH Machine Co., 30 Warren Ave., Portland 5, Me.
 3 STANDARD Engineering Works, 289 Roosevelt Ave., Pawtucket, R. I.
 3 TRANE Company, 2d and Cameron Ave., La Crosse, Wis.
 1 2 3 4 ★WALTON Laboratories Inc., 1186 Grove St., Irvington, N. J.
 3 WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
 1 2 3 WILSEA Works, 371 Saint Paul St., Rochester 5, N. Y.

AIR SEPARATORS

★PAASCHE Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.

ALBUMIN

BEN DAY Inc., 118 E. 28th St., New York 16, N. Y.
 FUCHS & Lang Mfg. Co., Div. Gen. Ptg. Ink Corp., 100 Sixth Ave., New York 13, N. Y.
 HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11, Mo.
 MOUNT Vernon Presses, Mt. Vernon, N. Y.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia 6
 ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 ★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.

ALUMINUM PLATE BAKING INFRA RED UNIT

FOSTORIA Pressed Steel Corp., Fostoria, Ohio

ALBUMIN SCALES, OFFSET-LITHO

METZGER, Alfred E., 30 Irving Place, New York 3
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia 6
 PITMAN, Harold M., Co., 51st Ave. & 33d St., Chicago 50, Ill.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

ALPHABETS, DISPLAY

RULEX Type Corp., 549 S. Wessl St., Chicago 5, Ill.

ANTI-OFFSET EQUIPMENT and SUPPLIES

1 Spray Guns
 2 Spray (Dry or Liquid)
 3 Spray, Excess, Exhaust
 1 2 3 ★AMERICAN Type Founders Sales Corp., 2100 Elmora Ave., Elizabeth 8, N. J.
 1 2 ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
 2 BINKS Mfg. Co., 3114 W. Carroll Ave., Chicago 12
 1 2 CRAIG Corporation, 143 W. 20th St., New York 11
 1 2 3 DE VERE Company, 2000 Clark St., Racine, Wis.
 1 2 3 DeVILBISS Company, 300 Phillips Ave., Toledo 1, Ohio
 1 2 3 FOUNDRY Chemical Co., 36-08 Review Ave., Long Island City 1, N. Y.
 2 H-G PRODUCTS Company, 400 W. Madison St., Chicago 6, Ill.
 ★H & H Products, 1169 S. State St., Chicago 5
 1 2 HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
 2 HOWARD Flint Ink Co., Clark Ave. & MCRR, Detroit 9, Mich.
 ★LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.
 2 MANHATTAN Paste & Glue Co., 425 Greenpoint Ave., Brooklyn 22, N. Y.
 2 NATIONAL Adhesives, Div. of National Starch Products, 270 Madison Ave., New York 16, N. Y.
 2 NO OFF SET Co., 3403 Fayette St., Louisville 9, Ky.
 2 OXY-DRY Sprayer Corp., 323 E. 38th St., New York 16, N. Y.
 1 2 ★PAASCHE Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
 2 ★PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
 2 ★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
 1 2 ★SLEIGHT Metallic Ink Co., 538 N. 3d St., Philadelphia 23, Pa.
 2 SPRAYOMATIC Products Co., 1120 Harrison Ave., Cincinnati 14, Ohio.
 1 2 SPRAY Sales, 2540 S. Damen Ave., Chicago 8, Ill.
 1 2 ★TRIANGLE Ink & Color Co., Inc., 305 E. 45th St., New York 17, N. Y.
 2 WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
 3 WILBAR Sales & Engineering Co., 549 W. Washington St., Chicago 6, Ill.
 1 2 ZAPON Div. Atlas Powder Co., Stamford, Conn.

ANILIN PRINTING CONTINUOUS DESIGN ROLLERS (see Continuous Design Rollers)

ANODES, COPPER

AMERICAN Brass Co., Waterbury 88, Conn.
 BELMONT Smelting & Ref. Co., 330 Belmont Ave., Brooklyn 7, N. Y.
 ★FEDERATED Metals Div., American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.
 METALLURGICAL Products Co., 35th & Moore Sts., Philadelphia, Pa.

ANTI-WORKUP DEVICES

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
 CHEMICAL Color & Supply Co., Div. General Printing Ink Corp., 547 S. Clark St., Chicago 5, Ill.
 L. & W. SERVICE Co., 140 Orange St., Providence 3, R. I.
 SMITH, F. X., Co., 952 E. 93d St., Brooklyn 12, N. Y.

APRONS

★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
 SCOTT, Asa D., Industries, 1028 E. 63rd St., Chicago, Ill.

ARC LAMPS

ATLAS Electric Devices Co., 361 W. Superior St., Chicago 10, Ill.
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
 GELB, Joseph Co., 12 E. 32d St., New York 16, N. Y.
 GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
 LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
 ★MACBETH Arc Lamp Co., 875 N. 28th St., Philadelphia 30, Pa.

PEASE, The C. F. Co., 2601 W. Irving Park Rd., Chicago 18, Ill.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia 6
 POLYGRAPHIC Co. of America, The, 310 E. 45th St., New York 17, N. Y.
 ★STRONG Electric Corp., 57 City Park Ave., Toledo 2, Ohio
 SULLEBARGER, E. T., Co., 110 Fulton St., New York 7

ARTISTS MATERIALS

1 Acetate Sheeting
 2 Colors
 3 Crayons
 4 Drawing Boards
 5 Drawing Instruments
 6 Frisket Paper
 1 2 3 4 5 6 ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3, Ohio
 6 BAKELITE Corp., 300 Madison Ave., New York 17, N. Y.
 1 CELANESE Plastics Corp., 180 Madison Ave., New York 16, N. Y.
 1 CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
 1 2 4 5 ★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
 1 2 HERCULES Powder Co., Inc., 931 Market St., Wilmington, Del.
 1 ★INTERNATIONAL Printing Ink Corp., 16th Floor, Empire State Bldg., New York 1, N. Y.
 2 3 METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.
 3 MONSANTO Chemical Co., Plastics Div., 600 Monsanto Ave., Springfield 2, Mass.
 1 ★PAASCHE Airbrush Co., 1905 Diversey Pkwy., Chicago 14, Ill.
 2 4 5 ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N. Y.
 6 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 3 ★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.
 1 2 3 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.
 3 4 5

ASSEMBLING EQUIPMENT (see Collating and Gathering Equipment)

B

BACKERS, ROLLER

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
 CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.
 GANE Brothers & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
 HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
 MEYERS, L. W., Co., 1828 Milwaukee Ave., Chicago 47, Ill.
 PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.
 SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.
 SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.
 STANDARD Machinery Co., The, Mystic, Conn.

BACKING PANS AND STANDS, ELECTROTYPERS

★HOE, R., & Co., 910 E. 138th St., New York 54, N. Y.

BAG MAKING MACHINES and SUPPLIES

ACME Pattern & Machine Co., 1559 Niagara St., Buffalo 13, N. Y.
 AMES Bag Machine Co., E. 66th St. and Euclid Ave., Cleveland 15, Ohio
 AMSCO Packaging Machinery Co., 3131 48th Ave., Long Island City 1, N. Y.
 HUDSON Sharp Machine Co., 1201 Main St., Green Bay, Wis.
 NAGEL-RYAN Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
 POTDEVIN Machine Co., 1226 38th St., Brooklyn 18, N. Y.
 SMITH & Winchester Mfg. Co., South Windham, Conn.
 STAUE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.
 STOKES & Smith Co., Frankford, Philadelphia 24, Pa.
 WALDRON, John, Corp., New Brunswick, N. J.

BALERS, WASTE PAPER

★AMERICAN Baler Co., 52 Ohio St., Bellevue, Ohio
 BUSINESS Men's Paper Press Co., Wayland, Mich.
 ECONOMY Baler Co., Ann Arbor, Mich.

LOGEMANN Bros. Co., 3150 W. Burleigh St., Milwaukee 10, Wis.
MINNICH Machine Works, Inc., Landisville, Pa.

BANDING AND BUNDLING PRESSES

ANDERSON, C. F., & Co., 3225 S. Calumet Ave., Chicago 16, Ill.
BERRY Machine Company, 716 N. First St., St. Louis 2, Mo.

BUNN, B. H., Co., 7604 S. Yale Ave., Chicago 20, Ill.
GANE Brothers & Lane, Inc., 1335 W. Lake St., Chicago, Ill.

LIBERTY Folder Co., 501 E. Court St., Sidney, Ohio

BEARERS, ELECTROTYPE

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

BEARINGS, BALL, ROLLER, SLEEVE TYPE

BEARINGS Industry Co., The, 17 W. 60th St., New York 23, N. Y.
BOUND Brook Oil-less Bearing Co., Lincoln Blvd., Bound Brook, N. J.

JOHNSON Bronze Co., 475 S. Mill St., Newcastle, Pa.
LINK-BELT Co., 307 N. Michigan Ave., Chicago 1

MINIATURE Precision Bearings, Inc., Kingsbury St., Keene, N. H.

SKF INDUSTRIES, Inc., Front St. and Erie Ave., Philadelphia 34, Pa.

TIMKEN Roller Bearing Co., The, 1835 Duerber Ave., S. W. Canton 6, Ohio

TORRINGTON Co., The, Bantam Bearings Div., 3702 W. Sample St., South Bend 21, Ind.

BELLOWS, CAMERA

DOUTHITT Corporation, 680 E. Fort St., Detroit 26
UNITED Camera Company, 1515 Belmont Ave., Chicago 13, Ill.

WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

BELT AND TAPE LACING

CLIPPER Belt Lacer Co., Inc., 974 Front Ave., N. W., Grand Rapids 2, Mich.

RAINVILLE F., Co., 241 Pearl St., N. W., Grand Rapids, Mich.

TON-TEX Corporation, 245 Pearl St., N. W., Grand Rapids 2, Mich.

BELTS, BELTING AND TAPE

- 1 Belt Dressing
- 2 Cord Rubber (Slug Cast.)
- 3 Fabricated
- 4 Leather
- 5 Mechanical
- 6 Tape, Feeder, Folder and Delivery
- 7 Vee

ARBEKA Webbing Company, 1151 Roosevelt Ave., Pawtucket, R. I.

★BEALL, Jack, Vertical Service, 641 S. Dearborn St., Chicago 5, Ill.

BROWN, Arthur S., Mfg. Co., Tilton, N. H.

CLIPPER Belt Lacer Co., 974 Front Ave., N. W., Grand Rapids 2, Mich.

CORPAK Company, The, 45 South St., Mt. Vernon, N. Y.

DAVEY Company, 164 Laidlaw Ave., Jersey City 8, N. J.

★DAYTON Rubber Mfg. Co., 2380 W. Riverview Ave., Dayton 1, Ohio

GILMER, L. H., Co., Div. United States Rubber Co., Tacony, Philadelphia 35, Pa.

GOODRICH, B. F., Co., 434 S. Main St., Akron 18, Ohio

HOPE Webbing Co., Pawtucket, R. I.

LINK-BELT Company, 220 S. Belmont Ave., Indianapolis 6, Ind.

MANHATTAN Rubber Mfg. Div. of Raybestos-Manhattan, Inc., Passaic, N. J.

PECK, James I., 47 High St., West Orange, N. J.

RAINVILLE, F., Co., 241 Pearl St., Grand Rapids 2, Mich.

RAYBESTOS-Manhattan, Inc., 61 Willett St., Passaic, N. J.

RHOADS, J. E., & Sons, 35 N. Sixth St., Philadelphia 6, Pa.

ROCKWOOD Mfg. Co., 1801 English Ave., Indianapolis 6, Ind.

RUSSEL Mfg. Co., Middletown, Conn.

TON-TEX Corp., 247 Pearl St., N. W., Grand Rapids 2, Mich.

UNITED States Rubber Co., 1230 Sixth Avenue, New York 20, N. Y.

VICTOR Balata & Textile Belting Co., 25th St., Easton, Pa.

BENDERS AND CUTTERS, STEEL RULE (see Rule, Steel, Benders and Cutters)

BENDING MACHINE, PLASTIC PLATES

STEREOTEX Machinery Co., Box 167, 322 Main St., Stamford, Conn.

BENDING MACHINES, PLATE

★COTTRELL, C. B., & Sons Co., 25 E. 26th St., New York 10, N. Y.

ELGIN Bending Machine Co., 320 E. Chicago St., Elgin, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

OSTRANDER-Seymour Co., 4926 W. Lake St., Chicago 24, Ill.

S. & W. Machine Co., 414 E. Pearl St., Cincinnati 2, Ohio

WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

BEVELING MACHINES, PLATE

ELGIN Bending Machine Co., 320 E. Chicago St., Elgin, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

LOYD, John, Co., 87 Walker St., New York 13, N. Y.

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

ROYLE, John, & Sons, 10 Essex St., Paterson 3, N. J.

WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

BILLING MACHINES AND SUPPLIES

REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N. Y.

UNDERWOOD Corporation, 1 Park Ave., New York 16, N. Y.

BINDERS FOR NEWSPAPERS

ELBE File & Binder Co., 649 Alden St., Fall River, Mass.

★ROUSE, H. B., Co., 2214 N. Wayne Ave., Chicago 14, Ill.

BINDING, MECHANICAL, MACHINERY

★DEXTER Folder Co., Pearl River, N. Y.

FLEX-O-COIL Products Co., 847 W. Washington Blvd., Los Angeles 15, Cal.

GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.

★NYGREN-DAHLY Co., 218 N. Jefferson St., Chicago 6, Ill.

PLASTIC Binding Corp., 732 Sherman St., Chicago 5

SLOVES Mechanical Binding Corp., 121 Varick St., New York 14, N. Y.

SPIRAL Binding Company, 406 W. 31st St., New York 1, N. Y.

SWING-O-RING Inc., 314 Dean St., Brooklyn, N. Y.

TRUSSEL Mfg. Co., 200 Cottage St., Poughkeepsie, N. Y.

BLACKLEADING MACHINES, ELECTROTYPERS

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

BLADES

- 1 Bookbinders Shears and Blades
- 2 Doctor, Gravure
- 3 Film and Print Trimmers and Blades
- 4 Folder
- 5 Fountain
- 6 Perforator

ATKINS, E. C., & Co., 402 S. Illinois St., Indianapolis 9, Ind.

CHAPMAN Knives and Saws, Inc., 504 S. Broadway, St. Louis 2, Mo.

COES, Loring, Co., 72 Coes St., Worcester 3, Mass.

DAVIDSON Perforator Co., P. O. Box 1235, New Haven 5, Conn.

DETROIT Edge Tool Co., 3425 Wight St., Detroit 7, Mich.

DISSTON, Henry, & Sons, Inc., Tacony, Philadelphia 35, Pa.

DURBROW & Hearne, 12 Wooster St., New York 13, N. Y.

HELMOLD, J. F., & Bro., Inc., 1462 Shakespeare Ave., Chicago 14, Ill.

HICKOK, W. O., Mfg. Co., Harrisburg, Pa.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.

JACQUES, John, & Son, 93 Webster St., Worcester, 3, Mass.

LOYD, John, Co., 87 Walker St., New York 13, N. Y.

RALYA Saw Corporation, 109 W. Second St., Cincinnati 12, Ohio

1 2 3 4 5 6
ROBERTSON, R. R., 400 W. Madison St., Chicago 6, Ill.

1 2 3
ROBINSON, John T., Co., 1476 River St., Boston 36, Mass.

1 2
SHAWVER Co., The, 21 W. Pleasant St., Springfield, Ohio

1 2
SIMMONDS Saw & Steel Co., 470 Main St., Fitchburg, Mass.

1 2 4 5
SIMMONDS, Worden, White Co., 607 Negley Pl., Dayton 7, Ohio

1 2 4 5
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.

1 2
STANDARD Process Corp., 2704 W. Roscoe St., Chicago 7, Ill.

1 2
WAPAKONETA Machine Co., The, Wapakoneta, Ohio

1 2
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

BLANKETS, PRESS

- 1 Gravure
- 2 Letterpress
- 3 Offset-Litho

1 2 3
ACME Press Blanket Co., 3900 Sheridan Rd., Chicago 13, Ill.

1 2 3
BEST, Edward H., & Co., 224 Purchase St., Boston 10, Mass.

1 2
BROWN Coating Equipment Co., Wellston, Ohio

1 2 3
CALIFORNIA Ink Co., The, 545 Sansome St., San Francisco 11, Cal.

1 2 3
CARMICHAEL Blanket Co., 168 Forsythe St., S. W., Atlanta 3, Ga.

1 2
★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.

1 2 3
CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.

1 2 3
CRONITE Co., The, 35 Park Pl., New York 7, N. Y.

1 2
DAVIDSON Mfg. Corp., 1020 W. Adams St., Chicago 7, Ill.

1 2
DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.

1 2
DUPLEX Printing Press Co., Battle Creek, Mich.

1 2
FOTOPLATE Co., 32 Oxford St., Newark 5, N. J.

1 2 3
FUCHS & Lang Mfg., Gen. Prtg. Ink, Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.

1 2 3
GOODRICH, B. F., Rubber Co., 500 S. Main St., Akron 18, Ohio

1 2 3
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio

1 2 3
GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.

1 2 3
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

1 2
HOUSE, Chas. W., & Sons, Inc., 505 Fifth Ave., New York 17, N. Y.

1 2 3
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.

1 2 3
★INTERNATIONAL Printing Ink Corp., Empire State Bldg., New York 1, N. Y.

1 2 3
LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

1 2 3
MCKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio

1 2 3
NILES & Nelson, Inc., 75 West St., New York 6, N. Y.

1 2
RAPID Roller Co., 2558 S. Federal St., Chicago 16, Ill.

1 2 3
ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.

1 2 3
ROBERTSON, R. R., 400 W. Madison St., Chicago 6, Ill.

1 2 3
★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.

1 2 3
SENEFELDER Company, The, 32 Greene St., New York 13, N. Y.

1 2 3
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

1 2 3
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

1 2 3
STA-HI Corporation, 1020 Crocker St., Los Angeles 21, Cal.

1 2 3
TINGUE, Brown & Co., 114 E. 23d St., New York 10, N. Y.

1 2
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

2 3
VULCAN Proofing Co., 1st Ave. & 58th St., Brooklyn 20, N. Y.

BLANKETS, ROLLER EMBOSsing MACHINE

HOUSE, Chas. W., & Sons, Inc., 505 Fifth Ave., New York 17, N. Y.

BLANKETS, ROLLER VARNISHING MACHINE

CORKPAK Company, 45 South St., Mt. Vernon, N. Y.

BLANKETS, STEREOTYPE MOLDING

- 1 Cork
- 2 Fabric
- 3 Fibre
- 4 Rubber
- 5 Rubber Creeper

1 2 3 4 5
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth, N. J.

1 2 3 4 5
BEST, Edward H., & Co., Box 1752, Boston 10, Mass.

2
CORKPAK Co., Inc., 45 South St., Mt. Vernon, N. Y.

1 2 3 4 5
DUPLEX Printing Press Co., Battle Creek, Mich.

1 2 3 4 5
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

1 2 3 4 5
HOUSE, Chas. W., & Sons, Inc., 505 5th Ave., New York 17, N. Y.

2
NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.

1 2 3 4 5
RUSSEL Products Co., 702 Harrison Bldg., Philadelphia 2, Pa.

1 2 3 4 5
STA-HI Corporation, 1020 Crocker St., Los Angeles 21, Cal.

1 2 3 4 5
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

TINGUE, Brown & Co., 114-20 E. 23rd St., New York 10, N. Y.

1 2 3 4 5
TON-TEX Corp., 247 Pearl St., N. W., Grand Rapids, Mich.

1 2 3 4 5
UNITED States Rubber Co., Inc., 1230 Sixth Ave., New York 20, N. Y.

BLANKET WASH, OFFSET-LITHO

ACE Company, The, P. O. Box 1212, Ocala, Fla.

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.

BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio

BRAZNEIL Co., 2227 Walnut St., St. Louis 3, Mo.

DAVIDSON Mfg. Co., 1020 W. Adams St., Chicago, Ill.

DRISCOLL, Martin, & Co., 610 Federal St., Chicago 5, Ill.

FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. Y.

GREAT Western Printing Ink Co., 409 W. Sixth St., Portland 9, Ore.

LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

PECK, James I. (Reg.), 47 High St., West Orange, N. J.

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

RAPID Roller Company, 2558 S. Federal St., Chicago 16, Ill.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

BLOWERS, CLEANING, PORTABLE

AMERICAN Blower Corp., 8111 Tireman St., Detroit 32, Mich.

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.

BREUER Electric Mfg. Co., 5100 N. Ravenswood Ave., Chicago 40, Ill.

CLEMENTS Mfg. Co., 6671 S. Narragansett Ave., Chicago 38, Ill.

IDEAL Industries, Inc., 5069 Park Ave., Sycamore, Ill.

★PAASCHE Airbrush Co., 1911 Diverser Parkway, Chicago 14, Ill.

WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

BLUE PRINT POWDER

★LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.

METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.

BOARD, CARD, BEVELERS

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.

DURBROW & Hearne, 12 Wooster St., New York 13, N. Y.

PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

BOARD CUTTERS, ROTARY

ROBINSON, John T., Co., 1476 River St., Boston 36, Mass.

SOUTH Wabash Engineering Co., 2937 S. Wabash Ave., Chicago 16, Ill.

SWIFT, Geo. W., Jr., Inc., Bordentown, N. J.

BOILERS, STEREOTYPERS'

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

INTERNATIONAL Engineering Works, Inc., Waverly St., Framingham, Mass.

BOOK COVERING MACHINES

SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.

SMYTH Mfg. Co., 9 Sigourney St., Hartford 6, Conn.

BOOK COVER ROUND CORNER

TURNING-IN MACHINES

PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

BOOK OVERSEWING MACHINES

OVERSEWING Machine Co., 368 Congress St., Boston 10, Mass.

BOOK SANDERS

OVERSEWING Machine Co., 368 Congress St., Boston 10, Mass.

BOOK SMASHER, COMPRESSOR

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

BERRY Machine Co., 716 N. First St., St. Louis 2, Mo.

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio

HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore 2, Md.

★LAWSON, E. P., Co., Inc., 426 W. 33d St., New York 1, N. Y.

PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

STANDARD Machinery Co., Mystic, Conn.

BOOK TRIMMING GUIDES

★CHALLENGE Machinery Co., Grand Haven, Mich.

BOOKBINDERS MACHINERY

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

ANDERSON, C. F., & Co., 3225 S. Calumet Ave., Chicago 16, Ill.

★CHALLENGE Machinery Co., Grand Haven, Mich.

CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wisc.

CRAWLEY Book Machinery Co., Inc., 328 Keturah St., Newport, Ky.

FULLER, E. C., Co., Inc., 28 Reade St., New York 7, N. Y.

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.

★GENERAL Binding Corp., 812 W. Belmont Ave., Chicago 14, Ill.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio

HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore, Md.

★JONES, James H., Co., 130 N. Clinton St., Chicago 6, Ill.

★LAWSON, E. P., Co., Inc., 426 W. 33d St., New York 1, N. Y.

MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.

MULLER, Chas. A., Co., 153 Lafayette St., New York 13, N. Y.

★NYGREN-Dahly Co., 218 N. Jefferson St., Chicago

PEERLESS Roll Leaf Co., 4511 New York Ave., Union City, N. J.

PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

ROBINSON, John T., Co., 1476 River St., Boston 36, Mass.

★ROSBACK, F. P., Co., Benton Harbor, Mich.

ROSSARD Co., The, 501 Madison Ave., New York 22, N. Y.

SHERIDAN, T. W. & C. B., Co., Inc., 135 Lafayette St., New York 13, N. Y.

SLADE, Hipp & Meloy, Inc., 119 W. Lake St., Chicago 1, Ill.

SMYTH Manufacturing Co., 9 Sigourney St., Hartford, Conn.

STANDARD Machinery Co., 12 Water St., Mystic, Conn.

STOLP-GORE Company, Inc., 123 S. Jefferson St., Chicago 6, Ill.

BOOKBINDERS SUPPLIES

- 1 Banding
- 2 Cloth
- 3 Leather and Imitations
- 3a Staples
- 4 Tape
- 5 Thread and Twine

1 2 3 4 5
★AIGNER, G. J., Co., 503 S. Jefferson St., Chicago 7, Ill.

CARPENTER, L. E., Co., Inc., 444 Frelinghuysen Ave., Newark 5, N. J.

2 3
CATTY-FRANZ Euler, H. D., Corp., 161 Sixth Ave., New York 13, N. Y.

COATED Textile Mills, Inc., Columbus & York Aves., Pawtucket, R. I.

CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.

DU PONT, E. I., de Nemours & Co., Fabricoid Div., Newburgh, N. Y.

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.

GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio

GRIFFIN, Campbell, Hayes, Walsh, 48 E. 21st St., New York 10, N. Y.

1 2 3 4 5
GUMMED Tape & Devices Co., 1318 60th St., Brooklyn 19, N. Y.

HERWARD Fabrics Co., Walpole, Mass.

2 3
HOLLISTON Mills, Inc., Norwood, Mass.

HOPE Webbing Co., Pawtucket, R. I.

INTERLAKEN Mills, Fiskville, R. I.

LATEX Fiber Industries, Beaver Falls, N. Y.

MC LAUGHLIN, Wm. J., & Co., 913 Filbert St., Philadelphia 7, Pa.

MC LAURIN-JONES Co., Brookfield, Mass.

2 3
MARSHALL, Son & Wheelock, Inc., 82 Lincoln St., Boston, Mass.

MEYER, John C., Thread Co., 1449 Middlesex St., Lowell, Mass.

5
MIDLAND Sales & Mfg. Co., Oelwein, Iowa

3a
MID-STATES Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.

5
RELIABLE Textile Company, 216 W. Adams St., Chicago 6, Ill.

2 3
SHOEMAKER, J. L., & Co., 15 S. Sixth St., Philadelphia 6, Pa.

3 5
SLADE, Hipp & Meloy, Inc., 119 W. Lake St., Chicago 1, Ill.

3 4 5
SPRINGFIELD Coated Paper Corp., Camden, N. J.

ZAPON-Keratol, Div. Atlas Powder Company, Stamford, Conn.

2 3

BOOKBINDERY SERVICES

- 1 Binding, Mechanical
- 2 Covers, All Kinds
- 3 Edition
- 4 Eyeletting
- 5 Indexing
- 6 Mounting; Finishing
- 7 Perforating
- 8 Punching, Drilling

1 2 3 4 5 6 7 8
★AIGNER, G. J., Co., 503 S. Jefferson St., Chicago 7, Ill.

2 4 5 7 8
ARVEY Corporation, 3642 N. Kimball Ave., Chicago 18, Ill.

6
★BROCK & Rankin, 619 S. LaSalle St., Chicago 5, Ill.

1 2 3
BURKHARDT Co., 547 W. Larned St., Detroit 26

1 2 3 4 5 7 8
ENGDAHL Bindery, Inc., 1056 W. Van Buren St., Chicago 7, Ill.

3
FREEDMAN Die Cutters, Inc., 12 W. 20th St., New York 11, N. Y.

4 5 6
GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.

GOAT, Fred, Co., Inc., 314 Dean St., Brooklyn, N. Y.

GREGORY, Inc., 2929 S. Wabash Ave., Chicago 16, Ill.

6
KLEEN-STIK Products, Inc., 2611 S. Indiana Ave., Chicago 16, Ill.

SLOVES Mechanical Binding Co., 121 Varick St., New York 13, N. Y.

1 2 6 7 8
SWING-O-RING, Inc., 314 Dean St., Brooklyn 17, N. Y.

1
WILDER Index Co., 328 S. Jefferson St., Chicago 6

4 5 7 8

BORDERING, SHEET, AND STENCIL SHEET DECORATING EQUIPMENT

KELLOGG, Div. American Brake Shoe Co., 99 Humboldt St., Rochester 9, N. Y.

MARSH Stencil Machine Co., 707 E. B St., Belleville, Ill.

BORING, PLATE, MACHINES

(see Plate Shaving and Trimming Machines)

BOX AND CARTON MAKING MACHINERY, SET-UP AND FOLDING

- 1 Box Dosing Machines
- 2 Box Collapsing Machines
- 3 Box Making (Set-Up) Machines
- 4 Carton Forming, Lining, Filling, Folding, Closing, and Sealing Machines
- 5 Case Printing Machines
- 6 Case Sealing, Glue, Machines
- 7 Case Sealing, Gunned Tape Machines

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.

★BECK, Charles, Corporation, 414 N. 13th St., Philadelphia 8, Pa.

BETTER Packages, Inc., Shelton, Conn.

HOSTICH, Westerly, R. I.

CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.

GLOBE Mfg. Co., 2009 Kinsey St., Philadelphia 24

GUMMED Tape & Devices Co., 1318 60th St., Brooklyn 19, N. Y.

HELLER Company, 2135 Superior Ave., Cleveland 14

HIGH Production Machine Co., 533 N. 11th St., Philadelphia 23, Pa.

HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.

HOOPER, F. X., Co., Inc., Glen Arm, Md.

INMAN Manufacturing Co., Amsterdam, N. Y.

INTERNATIONAL Paper Box Machine Co., The, Nashua, N. Y.

INTERSTATE Folding Box Co., Middletown, Ohio

KIEFER, Karl, Machine Co., The, 919 Martin St., Cincinnati 2, Ohio

KNOWLTON, M. D., Co., 57 Clarissa St., Rochester 4, N. Y.

LANGSTON, Samuel M., Co., Camden, N. J.

MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.

NASHUA Gunned & Coated Paper Co., Nashua, N. H.

NASHUA Package Sealing Co., Inc., Nashua, N. H.

NATIONAL Metal Edge Box Co., 334 N. 12th St., Philadelphia, Pa.

NEW JERSEY Machine Corp., 1800 Willow Ave., Hoboken, N. J.

PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.

PARRY, Samuel R., Machine Co., 224 Mill St., Rochester 4, N. Y.

POTDEVIN Machine Co., 1221 38th St., Brooklyn 18, N. Y.

REDINGTON Company, F. B., 112 S. Sangamon St., Chicago 7, Ill.

ROBINSON, John T., Co., 1476 River St., Hyde Park, Mass.

ROSS, A. H., Company, Ludlow, Ky.

SEAL, Inc., Shelton, Conn.

SHERIDAN, T. W. & C. B., Co., 153 Lafayette St., New York 13, N. Y.

SPECIALTY Automatic Machine Co., 88 Gerrish Ave., Chelsea 50, Mass.

STANDARD Machinery Co., The, Mystic, Conn.

STANDARD Paper Box Machinery Co., 133 Bleeker St., New York 12, N. Y.

STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.

STOKES & Smith Co., Frankford, Philadelphia 24, Pa.

WILSEA Works, 371 St. Paul Ave., Rochester 5, N. Y.

YOUNG Engineering Co., 2741 Janssen Ave., Chicago 14, Ill.

BOXES, CARDBOARD, FOR STATIONERY AND PRINTED FORMS

BARGER Box Co., W. Beardsley Ave., Elkhart, Ind.

NATIONAL Metal Edge Box Co., 334 N. 12th St., Philadelphia, Pa.

BRAKES, PRESS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.

★CHANDLER & Price Co., The, 6000 Carnegie Ave., Cleveland 3, Ohio

CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.

MARGACH Mfg. Co., 82 Beekman St., New York 7

★MILLER Printing Machinery Co., 1117 Reedsdale St., Pittsburgh 12, Pa.

STEPHENS, Sam'l, & Wickersham Quoin Co., 174 High St., Boston 10, Mass.

BRASS & COPPER SPACES

(see Thin Spaces)

BRAYERS

★BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago, Ill.

★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.

MELIND, Louis, Company, 362 W. Chicago Ave., Chicago 10, Ill.

NATIONAL Roller Company, 307 Pearl St., New York 7, N. Y.

NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis, Minn.

PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.

TRIUMPH Equipment Engineers, 507 S. Fourth St., Minneapolis 15, Minn.

★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.

BROACHING MACHINES AND RULES, TABULAR SYSTEMS

OILGEAR Co., 1560 W. Pierce St., Milwaukee 4, Wis.

UNIVERSAL Mono-Tabular Corp., 418 N. St. Paul St., Dallas 1, Tex.

BRONZE POWDER

(see Foil and Leaf)

BRONZING MACHINES

CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.

DEXTER Folder Company, Pearl River, N. Y.

HENSCHEL, C. B., Mfg. Co., 229 W. Mineral St., Milwaukee 4, Wis.

HOLLINGSWORTH, Wm., 227 N. Holliday St., Baltimore 2, Md.

MEISEL Press Mfg. Co., Inc., 944 Dorchester Ave., Boston 25, Mass.

BRUSHES, BASE CLEANING

★PRINTING Machinery Co., 435 Commercial Square, Cincinnati 2, Ohio

BUNDLING DEVICES FOR NEWSPAPERS

TIE Company, Unadilla, N. Y.

BURNING-IN STOVES (OVENS), PHOTOENGRAVERS'

★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.

DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.

ELECTRO-MATIC Engraving Co., 10 W. Kinzie St., Chicago 10, Ill.

FOSTORIA Pressed Steel Corp., Fostoria, Ohio

MASTER Etching Machine Co., Inc., 127 Greenwood Ave., Wyncote, Pa.

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

ROBERTSON, R. R., 400 W. Madison St., Chicago 6

WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

BURNERS, GAS, ELECTROTYPERS' AND STEREOTYPERS' FURNACES

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., 910 E. 138th St., New York 54, N. Y.

BURNISHERS, BOOKBINDERS' AND PHOTOENGRAVERS' (see Tools)**CABINETS, CASES, RACKS**

- 1 Cabinets, Galley
- 2 Cabinets, Matrix (Type)
- 3 Cabinets, Operators
- 4 Cabinets, Page Storage
- 5 Cabinets, Pressroom, Ink
- 6 Cabinets, Storage
- 7 Cabinets, Strip Rule
- 8 Cabinets, Tool
- 9 Cases, Type
- 10 Chairs, Seats, Stools
- 11 Desks
- 12 Racks, Chase
- 13 Racks, Drying
- 14 Racks, Magazine, Type
- 15 Racks, Press Roller

ACME Type Foundry, 633 Plymouth Court, Chicago 5

ALLIED Steel Equipment Co., Lapeer, Mich.

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York, N. Y.

AMERICAN Steel Case Co., 3131 48th Ave., Long Island City 1, N. Y.

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15

ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.

ANGLE Steel Stool Co., 127 Oak St., Plainwell, Mich.

AUTOMATIC Saw Sharpening Co., 735 E. Ohio St., Indianapolis 2, Ind.

BERGER Mfg. Co., Div. Republic Steel Corp., Canton 5, Ohio

★CHALLENGE Machinery Co., Grand Haven, Mich.

EQUIPTO, Div. Aurora Eqpt. Co., Aurora, Ill.

★FOSTER Mfg. Corp., 123 N. 13th St., Philadelphia 7, Pa.

GLOBE-Wernicke Co., The, Ross and Carthage Ave., Norwood, Ohio

★HAMILTON Mfg. Co., Two Rivers, Wis.

1 2 3 4 5 6 7 8 9
12 13 14 15

★HAMMOND Machinery Builders, 1616 Douglas Ave., Kalamazoo 54, Mich.

HOBART Cabinet Co., Troy, Ohio

INTERNATIONAL Engineering Works, Inc., Waverly St., Framingham, Mass.

★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.

LUDWIG-Duell Co., 30 Beckman St., New York 7

LYON Metal Products, Inc., 1134 Madison, Aurora, Ill.

★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.

★MORGANS & Wilcox Mfg. Co., Middletown, N. Y.

★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

RULEX Type Corp., 549 S. Wells St., Chicago 5, Ill.

★STA-HI Corporation, 1020 Crocker St., Los Angeles 21, Cal.

TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N. Y.

★THOMPSON Cabinet Company, Box 286, Ludington, Mich.

1 2 3 4 5 6 7 8 9 11
12 13 14 15

THOMPSON Type Founders, 1414 S. Harwood, Dallas 1, Texas

1 2 6

CALENDAR PADS

COLUMBIAN Art Works, 1036 W. Juneau Ave., Milwaukee 3, Wis.

GLOBE Art Calendar Co., 3909 Martin St., Detroit 10

GOES Lithographing Co., 42 W. 61st St., Chicago, Ill.

HOOPER, Joseph, & Sons, Market & 49th St., Philadelphia, Pa.

KETERLINUS Litho. Mfg. Co., Fourth & Arch Sts., Philadelphia 1, Pa.

SULLIVAN Printing Works, 1065 Gilbert Ave., Cincinnati, Ohio

CALENDAR PUNCHING AND STRINGING MACHINES

FULLER, E. C., Co., 28 Reade St., New York 7, N. Y.

★NEW Era Mfg. Co., Inc., 375 11th Ave., Paterson 4, N. J.

★REXFORD Paper Co., 1715 W. Canal St., Milwaukee, Wis.

CALENDAR SLIDES MACHINES

(see Tin Edging and Mounting Machines)

CAMERAS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.

ANSCO, 40 Charles St., Binghamton, N. Y.

AURORA School of Photoengraving, Aurora, Mo.

BEATTIE Process Camera Corp., 210 Fulton St., Box 636, New York 8, N. Y.

★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.

DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan

CAMERA FLASHING LAMPS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B. N. J.
FOSTORIA Pressed Steel Corp., Fostoria, Ohio
★PHILLIPS & Jacobs, 622 Race St., Philadelphia

CAMERAS, FOUR COLORS, ONE SHOT, ONE PLATE

HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.

CANS, SAFETY

1 Inflammable Liquids
2 Oily Waste or Wipers
1 AMERICAN Wood Type & Engraving Co., 270 Lafayette St., New York 12, N. Y.
1 ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.

1 ANGLE Steel Stool Company, 309 W. Oak St., Plainwell, Mich.
2 DIENER, Geo. W., Mfg. Co., 400 N. Monticello, Chicago, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
1 JUSTRITE Mfg. Co., 2061 Southport Ave., Chicago 14

1 METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.
1 PROTECTOSEAL Co., Inc., 1920 S. Western Ave., Chicago 8, Ill.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
2 SMITH, F. X., Co., 952 E. 93rd St., Brooklyn 12, N. Y.

1 CAPS, PAPER CUPS, MACHINES
YOUNG Engineering Co., 2741 N. Janssen Ave., Chicago 14, Ill.

1 CARBON INTERLEAVING EQUIPMENT
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio.

★NEW Era Mfg. Co., 375 11th Ave., Patterson 4, N. J.

1 CARBON PAPER
AMERICAN Register Co., 565 W. Washington St., Chicago 6, Ill.

CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
FRYE Mfg. Co., 301 University Ave., Des Moines, Iowa

★PHILIP Hano Co., Inc., 85 Sargeant St., Holyoke, Mass.
MITTAG & Volger, Inc., 76 Park Ave., Park Ridge, N. J.

1 REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N. Y.
2 STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.

1 UNDERWOOD Corporation, 1 Park Ave., New York 16, N. Y.

1 CARBON-PROCESSING MACHINES
FRYE Mfg. Co., 301 University Ave., Des Moines, Iowa

HAIDA Engineering Co., 3411 Vernon Blvd., Long Island City 1, N. Y.
★HAMILTON Tool Co., Hamilton, Ohio

ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

1 CARBON TISSUE
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.

★NAZ-Dar Co., 469 Milwaukee Ave., Chicago 10
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

1 UNDERWOOD Corporation, 1 Park Ave., New York 16, N. Y.

1 CARBON TISSUE LAYDOWN TRANSFER MACHINES
MOTTER'S George F., Sons, 132 S. Pershing Ave., York, Pa.

STANDARD Process Corp., 2704 W. Roscoe Street, Chicago, Ill.

1 CARBONS, ARC LAMP
ATLAS Electric Devices, 361 W. Superior St., Chicago 10, Ill.

DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Michigan
HUNT, Philip A., Co., 250 Russell St., Brooklyn 22, N. Y.

1 MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
NATIONAL Carbon Co., 30 E. 42nd St., New York 17, N. Y.

★PHILLIPS & Jacobs, 622 Race St., Philadelphia
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

CARD, INDEX, CUTTING MACHINES

TABER Instrument Co., No. Tonawanda, N. Y.
YOUNG Engineering Co., 2741 Janssen Ave., Chicago 14, Ill.

CASE, BOOK, MACHINES

1 Case Back Forming
2 Case Bending
3 Case Feeding
4 Case Making
5 Case Back Smoothing
1 2 3 4 5
CRAWLEY Book Machinery Co., Newport, Ky.

MEYERS, L. W., Co., 1828 Milwaukee Ave., Chicago 47, Ill.

1 PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

1 SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.

SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.

1 2 3 4
STOLP-Gore, Inc., 710 W. Jackson Blvd., Chicago, Ill.

1 CASING-IN MACHINES, BOOK
SMYTH Mfg. Co., 9 Sigourney St., Hartford 6, Conn.

1 CASTERS, LEAD AND RULE
(See Composing Machines and Supplies)

1 CASTERS, STEREOTYPE METAL INGOTS
★HOE, R., & Co., 910 E. 138th St., New York 54, N. Y.

MARKET Forge Co., 109 Garvey St., Everett 49, Mass.

1 CASTERS (Wheels) (see Trucks)
CASTING BOXES, STEREOTYPERS'

1 Curved Plate
2 Flat Plate
3 Vacuum
1 2 3
AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.

2 DUPLEX Printing Press Co., Battle Creek, Mich.

1 GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.

1 HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.

★HESS & Barker, 212 S. Darien St., Philadelphia 7

★HAMILTON Tool Co., 9th & Hanover Sts., Hamilton, Ohio

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54

1 2 3
MISSOURI-Central Type Foundry, 703 E. Murdock Ave., Wichita, Kansas

1 NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.

1 NORTHWEST Type Foundry, 507 S. 4th St., Minneapolis, Minn.

★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.

1 SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

1 STA-HI Corp., 1020 Crocker St., Los Angeles 21, Cal.

1 STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

1 TRIUMPH Equipment Engineers, 507 S. 4th St., Minneapolis 15, Minn.

1 WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

1 CASTING MACHINES, STEREOTYPE
DUPLEX Printing Press Co., Battle Creek, Mich.

★HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.

STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

1 CATALOGUE COVERING MACHINES
PLEGER, John J., Co., 613 W. 16th St., Chicago 16

SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.

1 CELLULOID TABBING MACHINES
★NYGREN-Dahly Co., 218 N. Jefferson St., Chicago 6

TABER Instrument Co., No. Tonawanda, N. Y.

1 CELLULOSE SHEET PROTECTORS
★AIGNER, G. J., Co., 503 S. Jefferson St., Chicago 7

ELBE File & Binder Co., 649 Alden St., Fall River, Mass.
MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1

CELLULOSE V SHEET HOLDERS

★AIGNER, G. J., Co., 503 S. Jefferson, Chicago 7, Ill.
TABER Instrument Co., No. Tonawanda, N. Y.

CHALK PLATE STEREOTYPE PROCESS

HOKE Engraving Plate Co., 1024 Park Ave., St. Louis 4

1 CHASES
AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.

★AMERICAN Steel Chase Co., 31 48th Ave., Long Island City 1, N. Y.

BLATCHFORD, E. W., Co., 63 Park Row, New York 7, N. Y.

★FOSTER Mfg. Corp., 123 N. 13th St., Philadelphia 7, Pa.

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

MISSOURI-Central Type Foundry, 703 E. Murdock Ave., Wichita 5, Kan.

OVERSEWING Machine Co., 368 Congress St., Boston, Mass.

★PRINTING Machinery Co., The, 436 Commercial Sq., Cincinnati 2, Ohio

SANDBLOM Steel Chase Co., 426 S. Clinton St., Chicago 7, Ill.

SPEEDY Machinery Co., 1477 S.W. 3rd St., Miami 35

1 CHEMICALS
1 Electrotyping
2 Gravure
3 Offset-Litho
4 Photo-engraving

1 2 3 4
BRADEN-Supphn Ink Co., 3800 Chester Ave., Cleveland 14, Ohio

★CENTRAL Compounding Co., 1718 N. Damen Ave., Chicago 47, Ill.

★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.

2 CRONITE Co., 35 Park Pl., New York 7, N. Y.

★DAVIDSON Mfg. Corp., 1020 W. Adams St., Chicago 7, Ill.

DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N. Y.

1 DIVISION Lead Co., 836 W. Kinzie St., Chicago 22

DOM, G. C., Supply Co., 125 E. Pearl St., Cincinnati 26, Michigan

DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Michigan

DU PONT, E. I. de Nemours & Co., Inc., Wilmington, Del.

★EASTMAN Kodak Co., 343 State St., Rochester 4 N. Y.

1 FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.

2 FUCHS & Lang Mfg., Gen. Prtg. Ink Div., Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.

★GAETJENS, Berner & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.

1 HALOID Co., 6 Haloid St., Rochester 3, N. Y.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5

HILL-Hentchel Co., 3928 Clayton Ave., St. Louis 11

HUNT, Philip A., Co., 253 Russell St., Brooklyn, N. Y.

1 INTERNATIONAL Printing Ink, 350 Fifth Ave., New York 1, N. Y.

LaMOTTE Chemical Products Co., Towson 4, Baltimore, Md.

★LITHO Chemical & Supply Co., 63 Park Row, New York 7, N. Y.

1 LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

3 MALLINCKRODT Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.

2 3 4
MERCK & Co., Inc., Rahway, N. J.

2 3 4
MERIX Chemical Co., 1021 E. 55th St., Chicago

1 METZGER, Alfred E., 30 Irving Place, New York 3

MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.

1 MOORE Laboratories, 70 W. Montcalm, Detroit 1

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

PITMAN, Harold M., Co., 51st Ave., & 33rd St., Chicago 50, Ill.

2 3 4
★ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.

- 1 2 3 4
ROGERS Ininglass & Glue Co., 219 Eastern Ave., Gloucester, Mass.
2 3 4
SENEFELDER Co., Inc., 32 Greene St., New York 13
3
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
3 4
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.
3
UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.

CHUCKS (Non-returnable cores) PAPER ROLL

GOSS Printing Press Co., 1535 S. Paulina, Chicago
SIA-HI Corp., 1020 Crocker St., Los Angeles 21, Cal.

CLEANER, HAND

- ANCHOR Core Economy Soap Co., Box 390, Wheaton, Ill.
BRECK, John H., Inc., 115 Dwight St., Springfield 3, Mass.
★CROMWELL Paper Co., 4801 Whipple St., Chicago 32, Ill.
LINDEN Chemical Co., 523 15th St., Des Moines, Ia.
LITHOMAT Corp., 58 Charles St., Cambridge 41, Mass.
SCHULTZ Laboratories, Boone, Iowa

CLEANER, NUMBERING MACHINE

- ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
LINDEN Chemical Products Co., 523 15th St., Des Moines 14, Iowa

CLEANER, PRINTING PRESS

- ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
CHALMERS Chemical Co., 123 Chestnut St., Newark 5, N. J.
DIVERSEY Corp., The, Industrial Maintenance Dept., 53 W. Jackson Blvd., Chicago, Illinois
FEDERAL Mining & Mfg. Co., 22 Kearney Ave., Jersey City 4, N. J.
HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
LINDEN Chemical Co., 523 15th St., Des Moines, Ia.
MERIX Chemical Company, 1021 E. 55th St., Chicago 11, Ill.
★PHILLIPS & Jacobs, 622 Race St., Philadelphia
PIERCE & Stevens, Inc., 710 Ohio St., Buffalo 3, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

CLEANING OUTFIT FOR PATENT BASE

- ANCHOR Chemical Co., Inc., 829 Bergen St., Brooklyn 16, N. Y.
DIVERSEY Corp., Industrial Maintenance Dept., 53 W. Jackson Blvd., Chicago, Ill.
★PRINTING Machinery Co., The, 436 Commercial Square, Cincinnati 2, Ohio

COATING MACHINES (Cylinder-Roller), (Lacquer and Varnish)

- CHAMBERS Brothers Co., 52nd and Media Sts., Philadelphia, Pa.
★CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.
CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
DEXTER Folder Co., Pearl River, N. Y.
EMBOSSEGRAPH Process Co., Inc., 251 William St., New York, N. Y.
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N. Y.
HOHWELER Machinery & Engineering Co., 34 Lincoln Highway, Morrisville, Pa.
HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore 2, Md.
HUDSON-Sharp Machine Co., Green Bay, Wis.
INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
KIDDER Press Co., Inc., Dover, N. H.
KNOWLTON, M. D., Co., 57 Clarissa St., Rochester 4, N. Y.

- ★NAZ-Dar Co., 469 Milwaukee Ave., Chicago 10
NORWOOD Engineering Co., Florence, Mass.
POTDEVIN Machine Co., 1226 38th St., Brooklyn 18, N. Y.
ROTOGRAVURE Engineering Corp., 299 Marginal St., East Boston 28, Mass.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
WALDRON, John, Corp., New Brunswick, N. J.

COATING MACHINES (Wax and Hot Melt—Thermoplastic)

- ACME Pattern & Machine Co., 1559 Niagara St., Buffalo 13, N. Y.
CONTAINER Equipment Corp., Newark, N. J.
DOW Chemical Co., Midland, Mich.
GELMAN Mfg. Co., Rock Island, Ill.
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City, N. Y.
HUDSON Sharp Machine Co., Green Bay, Wis.
INTERNATIONAL Paper Box Machine Co., The, Nashua, N. H.
KNOWLTON, M. D., Co., 57 Clarissa St., Rochester 4, N. Y.

- ★PAASCHE Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
POTDEVIN Machine Co., 1226 38th St., Brooklyn 18, N. Y.
ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.
STANDARD Process Corp., 734 W. Lexington St., Chicago 7, Ill.
WALDRON, John, Corp., New Brunswick, N. J.

COLLATING AND GATHERING EQUIPMENT

- ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
CHICAGO Machinery Laboratory, 2719 S. Poplar Ave., Chicago 8, Ill.
DEXTER Folder Co., Pearl River, N. Y.
DUDLEY, Kenneth E., Co., Box 806, Hagerstown, Md.
LOW, John M., & Co., 223 W. Madison St., Chicago 6, Ill.
★NEW Era Mfg. Co., 375 Eleventh Ave., Paterson 4, N. J.
PADDY Machine Co., 610 Atlantic Ave., Boston, Mass.
PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.
★ROSBACK, F. P., Co., 5th & Park Sts., Benton Harbor, Mich.
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.
★UNIVERSAL Jogger Co., 322 S. Fourth St., Minneapolis 15, Minn.

COLOR FILTERS

- ANSCO, 40 Charles St., Binghamton, N. Y.
DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N. Y.
DU PONT, E. I., de Nemours, Photo Products Dept., 1428 Nemours Bldg., Wilmington 98, Del.
★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
GOERZ American Optical Co., C. P., 317 E. 34th St., New York 16, N. Y.
LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia, Pa.
ROSSCO Laboratories, 367 Hudson Ave., Brooklyn 1, New York
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

COLOR SEPARATION PROCESS

- ★EATTIE Process Camera Corp., 210 Fulton St., New York 8, N. Y.
CRAFTINT MFG. Co., 1615 Collamer Ave., Cleveland 10, Ohio
★GRAPHIC Arts Corp., 110 Ottawa St., Toledo, Ohio
HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
LONG Engineering Research Co., 1000 Wheatshaf Rd., Linden, N. J.
MERIX Chemical Co., 1021 E. 55th St., Chicago 11, Illinois

COLOR SYSTEMS

- ALLCOLOR Co., 527 Fifth Ave., New York 17, N. Y.
ANSCO, 40 Charles St., Binghamton, N. Y.
BEATTIE Process Camera Corp., 210 Fulton St., New York 8, N. Y.
COLORGRAPH Process Co., 241 E. Illinois St., Chicago 11, Ill.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland 10, Ohio
HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
MUNSELL Color Co., 10 E. Franklin St., Baltimore, Maryland

COMPOSING AND MAKEUP STICKS

- ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

COMPOSING MACHINES and SUPPLIES

- 1 Casters, Lead, Rule, Strip & Base
- 2 Casters, Slug
- 3 Cleaners for Matrices
- 4 Cleaners for Plungers
- 5 Cleaners for Spaceband's
- 6 Contrast Matrices
- 7 Cross Rule Machines
- 8 Elrod Rule Bench
- 9 Gas Governors
- 10 Graphite and Graphited Oils
- 11 Keyboards
- 12 Liners, Extensible
- 13 Matrices
- 14 Mold Coolers
- 15 Monotype Storage Eqp.
- 16 Parts and Supplies
- 17 Perforators, Keyboard Tape
- 18 Saw, Odd-Measure
- 19 Slug Shears
- 20 Slug Surfacing Machines
- 21 Spaceband Polisher
- 22 Tabular Systems
- 23 Type Casters
- 24 Type Setting
- 25 Wipers, Mouthpiece
- 26 Wipers, Spaceband

- 1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26
AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
3 4 5 18 9
14 16
25 26

- ★BALTIMORE Type & Composition Corp., 15 S. Frederick St., Baltimore, Md.
13
BOOTH, E. A., Rubber Co., Rockefeller Bldg., Cleveland 13, Ohio

- 16
CORK PAK Co., 45 South St., Mt. Vernon, N. Y.
10

- 13 16
DELGASS & Co., 60 E. 42nd Street, New York 17
23 24 25 26
DIXON, Joseph, Crucible Co., Jersey City, N. J.
1
IMPRINT Matrix Co., Charlotte, N. C.
10

- 13
INDEPENDENT Electric Machinery Co., 300 Southwest Blvd., Kansas City 8, Mo.

- 16
★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, New York
9 11

- 13 24
★KELLOGG Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago, Ill.
11

- L & W Service Co., 140 Orange St., Providence, R. I.
16

- LANSTON Monotype Machine Co., 24th & Locust, Philadelphia 3, Pa.
1 13 15 16 17 7 9 22

- 23 24
★LINOTYPE Parts Co., Weatherly, Pa.
3 4 5 9 10
14 16

- ★LUDLOW Tynograph Co., 2032 Clybourn Avenue, Chicago 14, Illinois
1 2 13 16 7 19 20 22

- 23
MATRIX Contrast Corp., 2812 Empire State Bldg., New York 1, New York
6

- ★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 3, New York
2 3 13 14 16 18 9

- 23 24
MILWAUKEE Saw Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.
20

- MOHR Lino Saw Co., 126 N. Union Ave., Chicago 6
1 2 13 16 7 19 20 22

- MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
16

- MONTGOMERY & Co., 132 N. Main, Towanda, Pa.
16

- ROSS-AD Seal, Inc., 738 Lord Street, Indianapolis 2
13

- ★ROUSE, H. B., & Co., 2214 North Wayne Ave., Chicago 14, Ill.
18 19 8

- RULEX Type Corp., 549 S. Wells St., Chicago 5, Ill.
11

- 24
STEVENSON, Ashton G., Ponce de Leon, Fla.
12

- 12
SUPERIOR Flake Graphite Co., 33 S. Clark St., Chicago 3, Ill.
10

- UNIVERSAL Mono-Tabular Corp., 418 N. St. Paul St., Dallas 1, Texas
7

- WELLS & Co., 536 S. Clark St., Chicago 5, Ill.
7

- WIEBKING Engraving Co., 1133 W. Newport Ave., Chicago 13, Ill.
13

CONTACT PRINTING MACHINES (See Printing Frames)

CONTINUOUS DESIGN ROLLERS (Cylinders—Anilin Printing)

- AMERICAN Wringer Co., 121 Clinton St. Woonsocket, R. I.
★BINGHAM'S, Sam'l, Son, Mfg. Co., 636 Sherman, Chicago, Ill.
MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.
MOSS TYPE Corp., 33 Flatbush Ave., Brooklyn 17, N. Y.

CONTINUOUS TRIMMERS, BOOK AND MAGAZINE

- ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.

- SMYTH Mfg. Co., 9 Sigourney St., Hartford 6, Conn.
CONVEYORS (Also see Trucks)

- BALDWIN, James L., & Co., 28 S. Clinton, Chicago 6
CLINE Electric Mfg. Co., 400 W. Madison, Chicago 6

CRONITE Co., 35 Park Pl., New York 7, N. Y.
 CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee 1
 JAMPOL, The Co., 728 61st St., Brooklyn, N. Y.
 KOHLER Systems Co., The, 159 E. Chicago Ave., Chicago 11, Ill.
 LAMSON Corp., 250 Lamson St., Syracuse 1, N. Y.
 LINK-Belt Company, 300 W. Pershing Road, Chicago 9, Ill.
 MARKET Forge Co., 109 Garvey St., Everett 49, Mass.
 RICHARDS-Wilcox Mfg. Co., Aurora, Ill.
 SHAW Box Co., Muskegon, Mich.

COOLER PRESS (For straightening Buckled or Warped Zinc Plates)

EDES Mfg. Co., Plymouth, Mass.

COOLING TABLES

MONOMELT Co., Inc., 1611 Polk St. N. E., Minneapolis 13, Minn.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago, Ill.

COPPERPLATE PRINTING EQUIPMENT AND SUPPLIES

CRONITE Co., The, 35 Park Pl., New York 7, N. Y.
 ★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 SNYDER, W. H., Co., 88 Walker St., New York 13

COPY FITTING SYSTEMS

(See Gauges and Testing Instruments)

CORDS AND TASSELS, TYING

HELMUS, G., & Sons, Inc., 648 Broadway, New York 7

COUNTERS, DATERS, NUMBERING MACHINES AND HEADS

1 Counter and Marker
 2 Counters, Folding Machine
 3 Counters, Paper Pad
 4 Counters, Press
 5 Daters
 6 Numbering Machines
 7 Numbering Machine Cleaners
 8 Paging and Numbering Machines, Bindery
 9 Rotary Numbering Heads
 1 2 3 4 5 6 7 8 9
 ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

AMERICAN Numbering Machine Co., 224 Shepherd Ave., Brooklyn, N. Y.

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.

★BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.

CELLUSUEDE Products, Inc., 500 N. Madison St., Rockford, Ill.

DURANT Mfg. Co., Inc., 1979 N. Buffum St., Milwaukee 1, Wis.

FORCE, Wm. A., & Co., Inc., 216 Nichols Ave., Brooklyn 8, N. Y.

FOSTER Mfg. Corp., 123 N. 13th St., Philadelphia 7

HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

HOOLE Machine & Engraving Works, Inc., 30 Main St., Brooklyn, N. Y.

MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.

★MCADAMS, John, & Sons, 20 Knight St., Norwalk, Conn.

MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10

★NYGREN-Dahly Co., Inc., 218 N. Jefferson St., Chicago, Ill.

PRODUCTION Instrument Co., 704 W. Jackson Blvd., Chicago 6, Ill.

REDINGTON, F. B., Co., 112 S. Sangamon St., Chicago 7, Ill.

★ROBERTS Numbering Machine Co., 694 Jamaica Ave., Brooklyn 8, N. Y.

VEEDER-Root, Inc., Sargent & Garden Sts., Hartford 2, Conn.

★WETTER Numbering Machine Co., Atlantic Ave. & Logan St., Brooklyn 8, N. Y.

★WETTER Numbering Machine Co., Atlantic Ave. & Logan St., Brooklyn 8, N. Y.

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★WETTER Numbering Machine Co., Atlantic Ave. & Logan St., Brooklyn 8, N. Y.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

COVERS, ALL KINDS

★BROCK & Rankin, 619 S. LaSalle St., Chicago 5, Ill.
 BURKHARDT Co., 547 W. Larned St., Detroit 26
 GREGGORY, Inc., 2929 S. Wabash Ave., Chicago 16
 SMITH, S. K., Co., 2857 N. Western Ave., Chicago 18, Ill.
 SPEED Products Co., 37-18 Northern Blvd., Long Island City 1, N. Y.

CREASING, CRIMPING, SCALLOPING AND SCORING MACHINES

1 Creasing and Scoring
 2 Crimping
 3 Scalloping
 4 Scoring
 1 2 3 4
 HOBBS Mfg. Co., 26 Salisbury St., Worcester 5, Mass.
 HOOPER, F. X., Co., Inc., Glen Arm, Md.

JACQUES, John, & Son, 93 Webster St., Worcester, Mass.

LESTER & Wasley Co., Inc., 282 Franklin St., Norwich, Conn.

★NYGREN-Dahly Co., 218 N. Jefferson St., Chicago 1

OVERSEWING Machine Co., 368 Congress St., Boston, Mass.

ROBINSON, John T., Co., 1476 River St., Hyde Park, Mass.

★ROSBACK, F. P., Co., 5th & Park Sts., Benton Harbor, Mich.

STAUE, E. G., Mfg. Co., 2675 University Ave., St. Paul, Minn.

TABER Instrument Co., No. Tonawanda, N. Y.

1 2 3 4

CURVED PLATE SHAVERS, PROVERS, REFORMERS, etc.

★COTTRELL, C. B., & Sons, 25 E. 26th St., New York 10, N. Y.

ELGIN Bending Machine Co., 320 E. Chicago St., Elgin, Ill.

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

OSTRANDER-Seymour Co., 4026 W. Lake St., Chicago 24, Ill.

WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

WOOD Newspaper Mch. Corp., 501 Fifth Ave., New York 17, N. Y.

CUT STORAGE FILE

DANDY Storage File Co., Wausau, Wis.

EQUIPTO, Div. Aurora Equipment Co., Aurora, Ill.

★HAMILTON Mfg. Co., Two Rivers, Wis.

THOMPSON Cabinet Co., Ludington, Michigan

CUTTERS—LEAD, RULE, SLUG (Also see Paper Cutters, Roll Leaf Cutters.)

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York, N. Y.

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.

★CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.

HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.

★MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.

PAVYER Printing Machine Works, 600 S. Broadway St. Louis 2, Mo.

★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.

★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N. Y.

CUTTING AND CREASING PRESSES, FLATBED CYLINDER

BABCOCK Printing Press Corp., 38 Pequot St., New London, Conn.

★COTTRELL, C. B., & Sons, Co., 25 E. 26th St., New York 10, N. Y.

★MIEHLE Printing Press & Mfg. Co., 14th St. & S. Damen Ave., Chicago 8, Ill.

★MILLER Printing Mch. Co., 1117 Reedsdale St., Pittsburgh 12, Pa.

★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.

CUTTING AND CREASING PRESSES, PLATEN

★BRANDTJEN & Kluge, Inc., Como at Gaultier St., St. Paul, Minn.

★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio

★MILLER Printing Mch. Co., 1117 Reedsdale St., Pittsburgh 12, Pa.

THOMSON-National Press Co., Inc., Dean Ave., Franklin, Mass.

CUTTING-OFF MACHINES, CURVED STEREOTYPE PLATES

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

CYLINDER GRINDING AND POLISHING EQUIPMENT, GRAVURE

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

MOTTER'S George F., & Sons, 132 S. Pershing Avenue, York, Pa.

NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.

STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

CYLINDER MAKING EQUIPMENT, LETTERPRESS, GRAVURE AND OFFSET LITHOGRAPHY BY DIRECT PROJECTION (Including Continuous Design and Step and Repeat)

HUEBNER Laboratories, 305 E. 46th St., New York 17

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54

MOTTER'S George F., & Sons, 132 S. Pershing Avenue, York, Pa.

CYLINDER MARKING MACHINES, ROTOGRAPHURE

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54

MOTTER'S George F., & Sons, 132 S. Pershing Avenue, York, Pa.

CYLINDER PLATING AND POLISHING, GRAVURE, FOR THE TRADE

MODEL Engraving Corp., 320 W. 46th St., New York 19, N. Y.

STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

CYLINDER, ROTARY AND PLATEN PRESS DRAWSHEETS AND TYMPANS (Also see Blankets)

1 Blankets, Embossing, Felt
 2 Drawsheets and Tympan, Paper, Commercial
 (Also see Paper Index)

3 Drawsheets, Newspaper
 4 Jackets and Tympan other than Paper
 5 Underpacking

1 2 3 4 5
 ACME Press Blanket Co., 3900 Sheridan Rd., Chicago 13, Ill.

1 2 3 4 5
 BAKELITE Corp., Div. Union Carbide & Carbon Corp., 30 E. 42nd St., New York, N. Y.

CARBORUNDUM Co., Niagara Falls, N. Y.

CORKPAK Company, Inc., 45 South St., Mount Vernon, N. Y.

★CROMWELL Paper Co., 4801 S. Whipple St., Chicago 32, Ill.

DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.

GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio

1 2 3 4 5
 GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54

1 2 3 4 5
 MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.

2 3
 RAPID Roller Co., 2558 S. Federal St., Chicago 16

1 2 3 4
 TINGUE, Brown & Co., 114 E. 23rd St., New York 10, N. Y.

1 2 3 4 5
 TRIPLET Gauge, 1 Dover St., New York 7, N. Y.

2
 UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

4 5

CYLINDER, SLEEVE AND PLATE MAKING, GRAVURE, FOR THE TRADE

BECK Engraving Co., 7th & Sansome Sts., Philadelphia, Pa.

GRAVURE Process Co., 4179 Belmont Ave., Chicago 41, Ill.

HUEBNER Laboratories, 305 E. 46th St., New York 17

INTAPRINT, Div. Miehle Pte. Press & Mfg. Co., Metropolitan Bldg., Long Island City, N. Y.

LINOTONE Corporation, 563 W. 35th St., New York, N. Y.

ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

CYLINDERS, SLEEVES AND PLATES (Gravure)

ATLANTIC Zinc Works, 210 Van Brunt St., Brooklyn 31, N. Y.
 ★CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.
 EDES Manufacturing Company, Plymouth, Mass.
 GENERAL Printing Machinery Corp., 29 Ryerson St., Brooklyn 5, N. Y.
 HUSSEY & Co., C. G., 2850 Second Ave., Pittsburgh
 LINOTONE Corporation, 563 W. 35th St., New York, N. Y.
 NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
 REVERE Copper & Brass, Inc., 230 Park Ave., New York, N. Y.
 ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.
 STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

CYLINDERS, STEEL, LETTERPRESS

WESTERN Printing Machinery Co., 430 S. Green St., Chicago 7, Ill.

CYLINDERS, STEEL AND COPPER, PHOTOMECHANICALLY ENGRAVED (Including Step and Repeat and Continuous Design)

LINOTONE Corporation, 563 W. 35th St., New York



DAMPENING AIDS, OFFSET-LITHO

GEGENHEIMER, Wm., Inc., 78 Roebling St., Brooklyn 1, N. Y.
 INTERNATIONAL Press Cleaner & Mfg. Co., Inc., 112 Hamilton Ave., Cleveland 4, Ohio
 ★SIEBOLD, Inc., J. H. & G. B., 47 Watts Street, New York 13, N. Y.
 ★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

DAMPENING ROLLER COVER

★BINGHAM'S Son Mfg. Co., Sam'l, 636 Sherman, Chicago, Ill.
 FOTOPATE Co., 32 Oxford St., Newark 5, N. J.
 GODFREY Roller Co., 211 N. Camac St., Philadelphia 7, Pa.
 LITHOMAT Corp., 58 Charles St., Cambridge 41, Mass.
 ★SIEBOLD, Inc., J. H. & G. B., 47 Watts Street, New York 13, N. Y.
 ★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

DARK ROOM EQUIPMENT

★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
 ★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
 KELLOGG, Div. American Brake Shoe Co., 99 Humboldt St., Rochester 9, N. Y.
 LANSTON Monotype Machine Co., Twenty-fourth at Locust, Philadelphia 3, Pa.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 30, Ill.
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 WILLIAMS, Brown & Earle, Inc., 918 Chestnut St., Philadelphia 7, Pa.
 ZARKIN Machine Co., 34-19 10th St., Long Island City 6, N. Y.

DECKLE-EDGING MACHINES

LESTER & Wasley Co., Inc., The, 282 Franklin St., Norwich, Conn.

DEEP ETCH METHODS, OFFSET LITHO, AND SUPPLIES

1 Methods
 2 Supplies
 1 2
 ANCHOR, Chemical Co., Inc., 829 Bergen St., Brooklyn 16, N. Y.
 2
 ★GAETJENS, Berger & Wirth, 35 York St., Brooklyn, N. Y.
 2
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 1 2
 HILL-Henschel Co., 3928 Clayton Ave., St. Louis, Mo.
 2
 ★INTERNATIONAL Printing Ink Corp., 16th Fl., Empire State Bldg., New York 1, N. Y.
 2
 LE PAGE'S, Inc., Gloucester, Mass.
 2
 ★LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.
 1 2

1 2
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia 6
 2
 PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 30, Ill.
 ★ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.
 2
 ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.
 2
 ★SIEBOLD, Inc., J. H. & G. B., 47 Watts Street, New York 13, N. Y.
 2
 ★SINCLAIR & Valentine Co., Inc., 611 W. 129th St., New York 27, N. Y.
 2
 WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.
 1 2

DEVELOPING TROUGHS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 BROWN Coating Eqp't. Co., Wellston, Ohio
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
 MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio
 PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago, Ill.
 ★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 6th Ave., New York 13, N. Y.
 ★SIEBOLD, Inc., J. H. & G. B., 47 Watts Street, New York 13, N. Y.

DIAPHRAGMS, CAMERA

GOODRICH, B. F., Co., 434 S. Main St., Akron, Ohio
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 UNITED States Rubber, Inc., 1230 Sixth Ave., New York 20, N. Y.

DIAPHRAGM CONTROLS

DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
 POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6

DICTIONARIES

FUNK & Wagnalls, 354 Fourth Ave., New York
 MERRIAM, G. & C. Co., 47 Federal St., Springfield 2, Mass.

DIE CUTTING LUMBER (See Wood, Blocking, etc.)

DIE CUTTING MACHINES

1 Hollow Dies
 2 Upright
 1 2
 FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
 1 2
 HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.
 2
 HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore, Md.
 2
 LOGEMANN Brothers Co., 3154 W. Burleigh St., Milwaukee, Wis.
 2
 ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
 1
 ROBINSON, John T., Co., Hyde Park 36, Mass.
 2
 SHERIDAN, T. W. & C. B., Co., 135 Lafayette, New York 13, N. Y.

SMITH & Winchester Mfg. Co., South Windham, Conn.
 2
 SOUTH Wabash Engineering Co., 2929 S. Wabash Ave., Chicago 16, Ill.
 1 2
 STANDARD Machinery Co., The, Mystic, Conn.
 2

DIE-CUTTING PRESSES

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
 ARTISTIC Die Mfg. Co., 214 E. Eighth, Cincinnati
 ★BRANDTJEN & Kluge, Inc., Como at Gaultier St., St. Paul, Minn.
 ★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio
 ★LAWSON, E. P., Co., 426 W. 33rd St., New York 1, N. Y.
 THOMSON-National Press Co., Dean Ave., Franklin, Mass.

DIE-HEATERS, ELECTRIC (For Hot Embossing and Smashing)

ACME Electric Heating Co., 1217 Washington St., Boston 10, Mass.
 THOMSON-National Press Co., Dean Ave., Franklin, Mass.

DIE-MAKING MATERIALS (Also see Rule)

1 Cork Composition
 2 Cork-Rubber Composition
 3 Rubber, Sponge
 4 Rule, Brass
 5 Rule, Steel
 6 Steel Rule Cutters
 1 2 3 4 5 6
 ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N. Y.
 2 3 5
 AMERICAN Fabricators, 22 W. 21st St., New York 10, N. Y.
 5
 ALVIN Co., 135 W. 20th St., New York 11, N. Y.
 5
 DISSTON, Henry, & Sons, Inc., Tacony, Philadelphia 35, Pa.
 5
 GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
 3
 HALE, Frank D., 64 Tonnele Ave., Jersey City 6, N. J.
 5
 HELMOLD, J. F., & Bro., Inc., 1462 Shakespeare Ave., Chicago 14, Ill.
 5 6
 HOUSE of Hansen, Inc., 610 Atlantic Ave., Boston 10, Mass.
 4
 MARKEL Products Co., 100 Gold St., New York 7
 1 2 3 5
 PAPKE, Wm. & Son, 434 Elm St., Cincinnati 2, Ohio
 5
 ★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
 3 4 5 6
 WILSO Lite Corp., 501 Amherst St., Buffalo 7, N. Y.
 3

DIES, CUTTING AND EMBOSsing (One Operation)

ACCURATE Steel Rule Die Co., 22 W. 21st St., New York, N. Y.
 AMERICAN Fabricators, 22 W. 21st St., New York 10, N. Y.
 HOOLE Machine & Engraving Co., 30 Main St., Brooklyn, N. Y.
 RINGLER, F. A., Co., 39 Barclay St., New York, N. Y.
 SCHMIDT, Geo. T., Inc., 4108 N. Ravenswood Ave., Chicago 13, Ill.

DIES, HOLLOW

CUTWELL Steel Rule Die Co., 10 W. 20th St., New York 10, N. Y.
 FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio

DIES, SPECIAL FOR BOOKBINDERS AND SPECIALTY MFRS.

ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N. Y.
 FREEDMAN Die Cutters, Inc., 10 W. 20th St., New York 11, N. Y.
 FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
 G. B. C. Die and Manufacturing Co., 812 W. Belmont Ave., Chicago 14, Ill.
 SCHMIDT, Geo. T., Inc., 4108 N. Ravenswood Ave., Chicago 13, Ill.
 SCHULTZ & Co., E. C., 538 S. Clark St., Chicago 5

DIES, STEEL RULE (See Steel Rule Cutting Dies)

DIE-STAMPING PRESSES AND ROLL LEAF HOT STAMPING ATTACHMENTS

1 Die-Stamping Presses
 2 Roll Leaf Hot Stamping
 1 2
 ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
 1 2
 APEX Products Corp., 142 W. 24th St., New York 1
 COE, W. H., Mfg. Co., 69 Ship St., Providence, R. I.
 COUGHLIN Mfg. Co., 697-699 E. 132nd St., New York 54, N. Y.
 2
 GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
 1 2
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 1 2
 HICKOK, W. O., Mfg. Co., Harrisburg, Pa.
 KINGSLEY Stamping Machine Co., 1606 Cahuenga Blvd., Hollywood 28, Cal.
 MARKEM Machine Co., Keene, N. H.
 1 2
 MATTHEWS, James H., & Co., 3951 Forbes St., Pittsburgh, Pa.
 1
 OLSEN Mark Corp., 124 White St., New York, N. Y.
 1

1 2
PEERLESS Roll Leaf Co., Inc., 4511 New York Ave.,
Union City, N. J.

1 2
ROOVERS Bros., Inc., 3611 14th Ave., Brooklyn

1
STANDARD Machinery Co., Mystic, Conn.

STOLP-Gore Co., 710 W. Jackson Blvd., Chicago 6

DIE-STAMPING PRESSES, STEEL DIE PRINTING AND EMBOSsing, COPPERPLATE PRESSES, SUP- PLIES

CRONITE Co., The, 35 Park Pl., New York 7, N. Y.
OLNEY Machine Works, 4841 Rising Sun Ave., Phila-
delphia 20, Pa.

OLSENMARK Corp., 124 White St., New York 13

ROOVERS Bros., Inc., 3611 14th Ave., Brooklyn

DIRECT PROJECTION MACHINE

(See Cylinder Making Equipment)

DISTRIBUTOR ROLLERS, RECIPRO- CATING (Vibrators)

ACME Printing Appliance Co., 542 S. Dearborn St.,
Chicago 5, Ill.

★CHALLENGE Machinery Co., Grand Haven, Mich.
GEGENHEIMER William, Inc., 78 Roebing St.,
Brooklyn 1, N. Y.

TRIUMPH Equipment Engineers, 507 S. 4th St., Min-
neapolis, Minn.

★VANDERCOOK & Sons, 900 N. Kilpatrick Ave.,
Chicago 51, Ill.

DOCTOR BLADES, GRINDING MACHINES

HANCHETT Mfg. Co., 906 N. State, Big Rapids,
Mich.

★HARRIS-Seybold Co., 4510 E. 72nd St., Cleveland 5
MOTTER'S, George F., & Sons, 132 S. Pershing
Avenue, York, Pa.

STANDARD Process Corp., 2704 W. Roscoe St., Chi-
cago, Ill.

DOLLIES, PAPER ROLL

CLINE Electric Mfg. Co., 400 W. Madison St., Chi-
cago 6, Ill.

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8

★HOE, R., & Co., Inc., 910 E. 138th St., New York

54, N. Y.

KOHLER System Co., 159 E. Chicago Ave., Chicago

11, Ill.

LEWIS-Shepard Products, Inc., 239 Walnut Street,
Watertown 12, Mass.

NUTTING Truck & Caster Co., Inc., 1125 W. Divi-
sion St., Faribault, Minn.

REVOLVATOR Co., 86th & Bergen Turnpike, North
Bergen, N. J.

DOUBLE ROLLING DEVICE

(Miehle V)

★BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.

CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.

FARNSWORTH, John, Bourse Bldg., Philadelphia 6

GRAPHIC Arts Accessories, 308 Marquette Bldg.,
Detroit, Mich.

SPECIALTY Printing Eqpt. Co., 1617 Vandalia St.,
Cincinnati, Ohio

DRAWSHEETS AND TYMPANS, CYLINDER, ROTARY AND PLATEN PRESS (See Cylinder, Rotary and Platen Press Drawsheets and Tym- pans)

DRIERS (See Ink Driers)

DRILLING AND SLOTTING EQUIP- MENT

AMERICAN Printing Machinery Co., Inc., 63 Park
Row, New York 7, N. Y.

AUTOMATIC Saw Sharpening Co., 735 E. Ohio St.,
Indianapolis 2, Ind.

BERRY Machine Co., 716 N. First St., St. Louis, Mo.

BOICE-Crane Co., 930 W. Central Ave., Toledo 6

★CHALLENGE Mch. Co., Grand Haven, Mich.

★FOSTER Mfg. Corp., 123 N. 13th Street, Philadel-
phia 7, Pa.

★HARRIS-Seybold Co., 4510 E. 72nd St., Cleveland 5

HELMOLD, J. F., & Bros., 1462 W. Shakespeare
Ave., Chicago 14, Ill.

★LASSCO Products, Inc., 485 Hague St., Rochester 6,
N. Y.

★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New
York 1

MICK, Walter, K., Co., 500 Robert St., St. Paul 1,
Minn.

MULLER, Chas. A., Co., 153 Lafayette St., New York

NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.

★NYGREN-Dahley Co., Inc., 218 N. Jefferson St.,
Chicago 6, Ill.

PIONEER Mfg. Co., 1212 Jackson St., Toledo 2,
Ohio

★ROSBACK, F. P., Co., Fifth & Park Sts., Benton
Harbor, Mich.

SOUTHWORTH Machine Co., 30 Warren Ave.,
Portland, Me.

DROSS SIFTER

MONOMELT Co., Inc., 1611 Polk St., N. E., Min-
neapolis 13, Minn.

DRY PLATE NEGATIVE MATERIALS

CRAMER, G., Dry Plate Co., 1835 Shenandoah Ave.,
St. Louis 4, Mo.

★EASTMAN Kodak Co., Rochester 4, N. Y.

HAMMER Dry Plate Film Co., 2711 Miami St., St.
Louis, Mo.

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

WILLIAMS, Brown & Earle, 918 Chestnut St., Phila-
delphia, Pa.

DRYING CABINETS FOR NEGA- TIVES AND PRINTS

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

SIMPLEX Specialty Co., Inc., 116 W. 14th St., New
York, N. Y.

WILLIAMS, Brown & Earle, 918 Chestnut St., Phila-
delphia, Pa.



EASELS, CARDBOARD

ALVIN Co., 145 W. 20th St., New York 11, N. Y.

FREEDMAN Die Cutters, Inc., 12 W. 20th St., New
York 11, N. Y.

GREGORY, Inc., 2929 S. Wabash Ave., Chicago 16

EDITION MARKERS, NEWSPAPER

GOSS Printing Press Co., The, 1535 S. Paulina St.,
Chicago 8, Ill.

EGGSHELLING MACHINES

(See Embossing Machines, Roller)

EJECTOR PRESS PUNCHES

ACCURATE Steel Rule Die Mfrs., 22 W. 21st St.,
New York 10, N. Y.

HELMOLD, J. F., & Bros., 1462 W. Shakespeare
Ave., Chicago 14, Ill.

MARKEL Products Co., 100 Gold St., New York 7

★RICHARDS, J. A., Co., The, 903 N. Pitcher St.,
Kalamazoo 13F, Mich.

TRIUMPH Equipment Engineers, 507 S. Fourth St.,
Minneapolis, Minn.

ELECTRIC EYE REGISTER CONTROL

★BECK, Chas., Machine Co., 414 N. 13th St., Phila-
delphia 8, Pa.

CAMERON Machine Co., 61 Popular St., Brooklyn 2

CLINE Electric Mfg. Co., 400 W. Madison St., Chi-
cago 6, Ill.

GENERAL Electric Co., 1 River Rd., Schenectady 5,
N. Y.

POTDEVIN Machine Co., Inc., 1226 38th St., Brook-
lyn, N. Y.

SMITH & Winchester Mfg. Co., South Windham,
Conn.

WESTINGHOUSE Electric & Mfg. Co., East Pitts-
burgh, Pa.

ELECTRICITY GENERATORS

CATERPILLAR Tractor Co., Peoria, Ill.

GENERAL Electric Co., 1 River Rd., Schenectady 5,
N. Y.

RELANCE Electric & Engineering Co., 1101 Ivanhoe
Road, Cleveland 10, Ohio

ELECTRONIC MOTOR CONTROLS

CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee
1, Wis.

ELECTRON Equipment Corp., 917 Meridian Ave.,
South Pasadena, Cal.

GENERAL Electric Co., 1 River Rd., Schenectady 5,
N. Y.

RELANCE Electric & Engineering Co., 1101 Ivanhoe
Road, Cleveland 10, Ohio

ELECTROTYPE BEARERS

★AMERICAN Steel Chase Co., 3131 48th Ave., Long
Island City, N. Y.

ECONOMY Printers Products Co., Inc., 609 S. La
Salle St., Chicago 5, Ill.

MONOMELT Co., Inc., 1611 Polk St., N. E., Minne-
apolis 13, Minn.

PRINTERS Supply Service, 719 S. Dearborn St., Chi-
cago 5, Ill.

ELECTROTYPERS' PLATING EQUIP- MENT

HANSON-Van Winkle-Munning, Mattawan, N. J.

OSTANDER-Seymour Co., 4926 W. Lake St., Chi-
cago 24, Ill.

ELEVATORS, PAPER HANDLING

(Tiering Machines)

AUTOMATIC Transportation Co., 101 W. 87th St.,
Chicago, Ill.

CLINE Electric Mfg. Co., 400 W. Madison St., Chi-
cago 6, Ill.

EASTON Car & Construction Co., Easton, Pa.

ECONOMY Engineering Co., 2653 W. Van Buren St.,
Chicago 12, Ill.

ELWELL Parker Electric Co., 4517 St. Clair Ave.,
Cleveland, Ohio

KOHLER Systems Co., The, 159 E. Chicago Ave.,
Chicago 11, Ill.

LEWIS-Shepard Products Inc., 239 Walnut St., Water-
town 12, Mass.

MARKET Forge Co., 109 Garvey St., Everett 49,
Mass.

REVOLVATOR Co., 907 State St., North Bergen,
N. Y.

SERVICE Caster & Truck Co., 681 N. Brownwood
Ave., Albion, Mich.

EMBOSSING MACHINES, ROLLER (Eggshelling, Pebbling, Roughing and Stippling)

★CHAMPLAIN Company, 88 Llewellyn Ave., Bloom-
field, N. J.

CAVAGNARO, John J., 5th & Essex Sts., Harrison,
N. J.

HUDSON-Sharp Machine Co., Green Bay, Wis.

KNOWLTON, M. D., Co., Rochester, N. Y.

MARCONETTI, A. E., Inc., New York, N. Y.

NORWOOD Engineering Co., Florence, Mass.

PAPER Converting Machine Co., Green Bay, Wis.

PEERLESS Roll Leaf Co., 4511 New York Ave.,
Union City, N. J.

POTDEVIN Machine Co., Brooklyn 18, N. Y.

ROTOGRAVURE Engineering Co., 299 Marginal St.,
East Boston 28, Mass.

★RUTHERFORD Machinery Co., Div. Sun Chemical
Corp., 100 Sixth Ave., New York 13, N. Y.

WALDRON, John, Corp., New Brunswick, N. J.

EMBOSSING MACHINES, ROLLER, ROLLS (Embossing Cylinders)

LINOTONE Corp., 563 W. 35th St., New York,
N. Y.

RINGLER, F. A., & Co., 40 Park Pl., New York 7,
N. Y.

STONE, Thos. & George M., 502 Mulberry St., New-
ark 5, N. J.

EMBOSSING MACHINES, UPRIGHT

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chi-
cago, Ill.

SHERIDAN, T. W. & C. B., Co., 129 Lafayette St.,
New York 13, N. Y.

STANDARD Machinery Co., Mystic, Conn.

ENGRAVING BY MACHINE FOR THE TRADE

STONE, Thos. & George M., 502 Mulberry St., New
ark 5, N. J.

ENGRAVING MACHINES FOR METAL, BANK NOTES, etc.

CRONITE Co., 35 Park Place, New York 7, N. Y.

GORTON, George, Machine Co., 1320 Racine St.,
Racine, Wis.

ENGRAVING PANTAGRAPH, MACHINE FOR WOOD

AMERICAN Fabricators, 22 W. 21st St., New York
10, N. Y.

OLSEN Mark Corp., 124 White St., New York 13,
N. Y.

ENVELOPE MAKING MACHINES

LESTER & Walsey Co., Inc., 282 Franklin St., Nor-
wich, Conn.

SMITHE, F. L., Co., 633 W. 44th St., New York,
N. Y.

STAUDE, E. G., Mfg. Co., 2675 University Ave., St.
Paul 4, Minn.

ENVELOPE OPENERS

COMMERCIAL Controls Corp., 640 Culver Rd., Roch-
ester 2, N. Y.

PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.

ENVELOPE SEALING MACHINES

COMMERCIAL Controls Corp., 640 Culver Rd., Roch-
ester 2, N. Y.

PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.

ESTIMATING GUIDES

1 Ink Consumption

2 Job Printing Cost

3 Paper

4 Type Conversion Rules

1 2 3 4

BALDWIN Paper Co., 233 Spring St., New York

CLEVELAND Paper Co., Gale Craig, 1640 Superior
Ave., Cleveland 14, Ohio

HOCH, Fred W., Associates, Inc., 461 Eighth Ave.,
New York 1, N. Y.

1 2 3

★PORTE Publishing Co., 952 E. 21st South St., Salt
Lake City 5, Utah

2

PRODUCTION Standards Corp., 105 W. Monroe St.,
Chicago 3, Ill.

1 2 3 4

ETCHES, STEEL and COPPER PLATE

CRONITE Co., 35 Park Place, New York 7, N. Y.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia 6

ETCHING MACHINES

AURORA School of Photoengraving, Aurora, Mo.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan.
 HOLMSTROM, Axel, Brown Bldg., 328 Chestnut St., Philadelphia, Pa.
 MASTER Etching Machine Co., Inc., 127 Greenwood Ave., Wyncote, Pa.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
 U. S. Stoneware Co., 60 E. 42nd St., New York 17
 ★WESTERN Newspaper Union, 210 S. Desplaines St., Chicago 7, Ill.

ETCHING MACHINES for MARKING

★HOE, R., & Co., Inc., 910 E. 138th St., New York 34, N. Y.
 IDEAL Industries, Inc., 5069 Park Ave., Sycamore, Ill.

EXHAUST SYSTEMS

DE VILBISS Co., 300 Phillips Ave., Toledo, Ohio

EXPRESS SCALES

INTERNATIONAL Business Machines Corp., 590 Madison Ave., New York 17, N. Y.

EYELETTING, BRASS

FREEDMAN Die Cutters, Inc., 10 W. 20th St., New York 11, N. Y.
 STANDARD Tag Co., 116 Duane St., New York

EYELETTING MACHINES

(See Tag Machinery)

★NEW Era Mfg. Co., 375 Eleventh Ave., Paterson, N. J.
 UNITED Shoe Machinery Corp., 140 Federal St., Boston, Mass.
 WAKEFIELD Machine Co., Inc., Wakefield, Mass.

EYELETS

★HOE, R., & Co., Inc., 910 E. 138th St., New York 34, N. Y.
 STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N. Y.

EYELETS, TELESCOPIC (Plastic)

KIRK, F. J., Molding Co., Brook St., Clinton, Mass.

**FANS, PRESS ROLLER COOLING**

AMERICAN Blower Corp., Box 58, Roosevelt Park Annex, Detroit 13, Mich.
 ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.

FANS, PROPELLER

EMERSON Electric Mfg. Co., 8100 Florissant St., Louis 21, Mo.
 ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
 TRANE Co., 2nd & Cameron Ave., La Crosse, Wis.
 WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

FANS, VENTILATING

EMERSON Electric Mfg. Co., 8100 Florissant St., Louis 21, Mo.
 GENERAL Electric Co., 1 River Rd., Schenectady, N. Y.
 ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
 TRANE Co., The, La Crosse, Wis.
 WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
 WING, L. J., Mfg. Co., 154 W. 14th St., New York 11, N. Y.

FASTENERS, PAPER

GRAMMES, I. F., & Sons, 352 Union St., Allentown, Pa.
 HELLER Co., The, 2135 Superior Ave., Cleveland 6
 STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N. Y.

FEATHER EDGING MACHINES

LESTER & Wasley Co., 282 Franklin St., Norwich, Conn.

FEEDER PAPER LIFTS

BERRY Machine Co., 716 N. First St., St. Louis, Mo.
 ★RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.
 REVOLVATOR Co., 907 State St., North Bergen, N.J.

FEEDERS, FOLDERS AND PRESS DELIVERIES

1 Deliveries, Automatic Pile
 2 Deliveries, Extension
 3 Delivery, Feeder, Bronzer
 4 Feeders, Cardboard
 5 Feeders, Cylinder Press
 6 Feeders, Envelope, Two-Up
 7 Feeders, Folding Machine
 7a Feeders, Gunning Machine
 8 Feeders, Perforating Machine
 9 Feeders, Platen Press
 10 Feeders, Roll Leaf
 11 Feeders, Roll Paper
 12 Feeders, Rulling Machine
 13 Feeders, Sheet Fed Rotary Presses
 14 Feeders, Stream
 15 Folders, Commercial Job
 16 Folders, Fanfold
 17 Folders, Letter
 18 Folders, Magazine
 19 Folders, Newspapers
 20 Folders, Specialty

1 2 3 4 5 6 7 7a 8 9 10 11
 12 13 14 15 16 17 18 19 20
 ADDRESSOGRAPH-Multigraph Corp., Euclid Post Office, Cleveland, Ohio

13
 ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

★AMERICAN Type Founders Sales Corp., 200 Elmora Ave., Elizabeth 5, N. Y.

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16 17 18 19 20
 ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago, Ill.

15
 BABCOCK Printing Press Corp., 38 Pequot Ave., New London, Conn.

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16 17 18 19 20
 BARKLEY & Dexter, 526 Commonwealth Ave., Boston 15, Mass.

5
 ★BAUM, Russell Ernest, 615 Chestnut St., Philadelphia 6, Pa.

15
 ★BRANDTJEN & Kluge, Inc., Como at Gaultier Sts., St. Paul, Minn.

9
 BROWN Folding Machine Co., 3771 Chester Ave., Cleveland 14, Ohio

15 16 17 18 19 20
 CAMERON Machine Co., 61 Poplar St., Brooklyn 2

11
 CHAMBERS Bros. Co., 52nd & Media Sts., Philadelphia, Pa.

5
 ★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio

4 5 6 7
 CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.

13 14 15
 ★COTTRELL, C. B., & Sons Co., 25 E. 26th St., New York 10, N. Y.

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16 17 18 19 20
 DAVIDSON Mfg. Corp., 1020 W. Adams St., Chicago 7, Ill.

5
 ★DEXTER Folder Co., Pearl River, N. Y.

13 14 15 17 18 19 20
 GOSS Printing Press Co., 1535 So. Paulina St., Chicago 8, Ill.

18 19
 HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

3 4 7 7a 8 11
 12
 HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore 2, Md.

1 2 3 5 9
 HUDSON-Sharp Machine Co., Green Bay, Wis.

1 2 4 11
 KOHLER Systems Company, 159 E. Chicago Ave., Chicago 11, Ill.

18 20
 LIBERTY Folder Co., 501 E. Court St., Sidney, Ohio

15 19
 ★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

1 2 14 11
 MAXSON Automatic Machinery Co., 98 Granite St., Westely, R. I.

1
 MEISEL Press Mfg. Co., Inc., 944 Dorchester Ave., Boston 25, Mass.

1 2
 MENTGES Folder Co., Oak & Poplar Sts., Sidney, Ohio

15 19
 ★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Ill.

1 2 4 5
 13 14
 MODERN Equipment Co., 2011 Cuming St., Omaha 2, Neb.

15 17 18 19

1 2 3 4 5 6 7 7a 8 9 10 11
 12 13 14 15 16 17 18 19 20
 NAGEL-Ryan Mfg. Co., Inc., 4363 Woodward Ave., Royal Oak, Mich.

11
 NELSON, C. B., & Co., 508 S. Kolmar Ave., Chicago 20

7a
 NEW Jersey Machine Corp., Hoboken, N. J.

4 20
 PAPER Converting Mach. Co., Inc., 601 Harvey St., Green Bay, Wis.

10
 PEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J.

10
 ★RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.

1 2
 SAYBROOK Manufacturing Corp., 28 W. 23rd St., New York 10, N. Y.

13
 ★SCOTT, Walter, & Co., 525 South Ave., Plainfield, N. J.

1 2 11
 13 18 19 20
 SPECIALTY Automatic Machine Co., 200 Boston Ave., Medford, Mass.

7a
 STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.

20
 STOLP-Gore Co., 710 W. Jackson Blvd., Chicago, Ill.

15
 WALDRON, John, & Co., Inc., River Rd., New Brunswick, N. J.

20
 WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio

15
 WESTERN Printing Mch. Co., 430 S. Green St., Chicago, Ill.

18
 WILLARD Mfg. Corp., 28 W. 23rd St., New York 1 2

13
 ZANETTI Machine Works, Inc., 1801 Kirkwood Ave., San Francisco, Cal.

12
 ★FEEDERS, METAL, FOR COMPOSING MACHINES

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York, N. Y.
 AUTOMATIC Saw Sharpening Co., 735 E. Ohio St., Indianapolis 2, Ind.
 COFFING Hoist Co., 800 Walters St., Danville, Ill.
 ★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, N. Y.
 LINOTYPE Maintenance Co., 273 Broadway, New York 1, N. Y.
 ★LINOTYPE Parts Co., 203 Lafayette St., New York 13, N. Y.
 MARGACH Mfg. Co., Inc., 82 Beekman St., New York, N. Y.
 ★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
 MISSOURI Central Type Foundry, Wichita, Kan.
 MONOMELT Co., Inc., 1611 Polk St. N. E., Minneapolis 13, Minn.
 TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
 ★UNITED American Metals Corp., Calver & Diamond Sts., Brooklyn 22, N. Y.

FEEDING ATTACHMENTS, CARBON FORMS

STANDARD Register Co., 626 Albany St., Dayton 1, Ohio

FIBER SIGN PASTER, FOLDER

ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.

FILM CEMENT

★EASTMAN Kodak Co., Rochester 4, N. Y.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

FILM GUIDE MACHINES

YOUNG Engineering Co., 2741 N. Janssen Ave., Chicago 14, Ill.

FILM HOLDERS

BROWN Coating Eqt. Co., Wellston, Ohio
 DOUTHITT Corporation, 680 E. Fort St., Detroit 26
 ★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
 ★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

FILM, PAPER, PLATES

ANSCO, 40 Charles St., Binghamton, N. Y.
 CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco, Cal.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 CRAMER Dry Plate Co., G., Lemp & Shenandoah Ave., St. Louis, Mo.

DEFENDER Photo Supply, Inc., 666 Driving Park Ave., Rochester, N. Y.
DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
DU PONT, E. I., de Nemours Photo Products Dept., 1428 Nemours Bldg., Wilmington 98, Del.

★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
GEVAERT Co. of America, Inc., 423 W. 55th St., New York, N. Y.

HALOID Co., Haloid St., Rochester, N. Y.
HAMMER Dry Plate Co., Ohio Ave. & Miami St., St. Louis 1, Mo.

ILFORD, Limited, 316 W. Washington St., Chicago 6
★PHILLIPS & Jacobs, 622 Race St., Philadelphia
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N. Y.

WILLIAMS, Brown & Earle, Inc., 918 Chestnut St., Philadelphia 7, Pa.

FINISHING EQUIPMENT, ELECTROTYPERS' AND STEREOTYPERS'

★COTTRELL, C. B., & Sons, 25 E. 26th St., New York 10, N. Y.

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

SHAW Machine & Tool Co., 1151 Temple St., Los Angeles, Cal.

FIRE EXTINGUISHERS AND REFILLS

AMERICAN-La France-Foamite Corp., Elmira, N. Y.
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.

FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.

PYRENE Mfg. Co., 560 Belmont Ave., Newark 8, N. J.

RANDOLPH Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.

ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1

WIL-X Mfg. Co., subsidiary, Mergenthaler Linotype Co., 44 Ryerson St., Brooklyn, N. Y.

FLANNELS

BEST, Edward, & Co., 224 Purchase St., Boston, Mass.

CORPAC Co., 45 South St., Mt. Vernon, N. Y.

FUCHS & Lang Mfg., Gen. Prtg. Ink Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.

GODFREY Roller Co., 211 N. Camac St., Philadelphia 7, Pa.

HOUSE, Chas. W., & Sons, Inc., 505 5th Ave., New York 17, N. Y.

ROBERTS & Porter, Inc., 402 S. Market St., Chicago

SENEFELDER Co., 32 Greene St., New York 13, N. Y.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

FLOCK

CELLUSUEDE Products, Inc., 500 N. Madison St., Rockford, Ill.

CLAREMONT Waste Mfg. Co., Claremont, N. H.

RAYON Processing Co., Central Falls, R. I.

FLOCK PRINTING SUPPLIES

CELLUSUEDE Products, Inc., 500 N. Madison St., Rockford, Ill.

★NAZ-DAR Co., 469 Milwaukee Ave., Chicago 10

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

FLOOR POLISHING and SCRUBBING MACHINES

HILD Floor Machine Co., 1313 W. Randolph St., Chicago, Ill.

TENNANT, G. H., Co., 2530 N. Second St., Minneapolis 11, Minn.

FLOORING

JENNISON-Wright Corp., 2463 Broadway, Toledo, Ohio

STONHARD Company, 1306 Spring Garden St., Philadelphia 11, Pa.

FLUORESCENT and PHOSPHORESCENT PRODUCTS

CONTINENTAL Lithograph Corp., 952 E. 72nd St., Cleveland 8, Ohio

FRINK, Corp., The, 27-01 Bridge Plaza North, Long Island City, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

FLUORESCENT PROCESS—COLOR CORRECTION

★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.

FRINK, Corp., The, 27-01 Bridge Plaza North, Long Island City, N. Y.

★GRAPHIC Arts Corp., 110 Ottawa, Toledo, Ohio

ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N. Y.

FLYING PASTERS FOR PRESSES

CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

KOHLER System Co., 159 E. Chicago Ave., Chicago
WOOD Newspaper Machinery Corp., 501 Fifth Ave., New York 17, N. Y.

FOIL AND LEAF

1 Aluminum Bronze Powder

2 Aluminum Foil, Plain and Colored

2a Copper Foil

3 Colored Gold Foil and Leaf

4 Gold Leaf, Roll

5 Gold Leaf, Sheet and Aluminum Leaf, Sheet and Roll

6 Imitation Gold Foil and Leaf

7 Lead and Tin Foil

8 Palladium Leaf

9 Plastic Marking Foil and Leaf

10 Silver Foil and Leaf

1 2 2a 3 4 5 6 7 8 9 10
ALL Purpose Gold Corp., 320 Bridge St., Brooklyn, N. Y.

ALUMINUM Co. of America, 801 Gulf Building, Pittsburgh 19, Pa.

COE, W. H., Mfg. Co., 89 Ship St., Providence, R. I.

COUGHLIN Mfg. Co., 697-699 E. 132nd St., New York 54, N. Y.

DIVISION Lead Co., 836 W. Kinzie St., Chicago 22, Ill.

EMBOSOGRAF Corp., 38 West 21st St., New York 10, N. Y.

★FEDERATED Metals Div., American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.

GRAUERT, R. W., Inc., 66 W. Broadway, New York 3, N. Y.

GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N. Y.

HASTINGS & Co., Inc., 2318 Market St., Philadelphia 3, Pa.

ILLINOIS Bronze Powder Co., 2023 S. Clark St., Chicago 16, Ill.

JOHNSTON Tin Foil & Metal Co., 6100 S. Broadway, St. Louis, Mo.

NATIONAL Lead Co., 111 Broadway, New York, N. Y.

PEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J.

REYNOLDS Metals Co., Reynolds Metal Bldg., Richmond, Va.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

SWIFT, M., & Sons, Inc., 10 Love Lane, Hartford, Conn.

WEHRUNG & Billmeier Co., 3624 Lincoln Ave., Chicago 13, Ill.

FOIL, ELECTROTYPERS'

★FEDERATED Metals Div., American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.

JOHNSTON Tin Foil & Metal Co., 6100 S. Broadway, St. Louis, Mo.

REYNOLDS Metals Co., Reynolds Metal Bldg., Richmond, Va.

UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.

FOLDING MACHINES, HIGH SPEED COMMERCIAL AND MAGAZINE

★BAUM, Russell Ernest, 615 Chestnut St., Philadelphia 6, Pa.

★DEXTER Folder Co., Pearl River, N. Y.

FOLDING, QUIRE, MACHINES

NORWOOD Engineering Co., 29 N. Main St., Florence, Mass.

FORMERS AND SCORCHERS

ELGIN Bending Machine Co., 320 E. Chicago St., Elgin, Ill.

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.

SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

STA-HI Corporation, 1020 Crocker St., Los Angeles 21, Cal.

STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

FOUNTAIN DIVIDERS, INK

ACME Printing Appliance Co., 542 S. Dearborn St., Chicago 5, Ill.

PAGE, Robert R., 41 Union Square, New York 3, N. Y.

★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio

FOUNTAINS, GASOLINE, SAFETY BRUSH

SMITH, Francis X., Co., 952 E. 93rd St., Brooklyn 12, N. Y.

FOUNTAINS, INK, CLOSED, AIR-TIGHT

★INTERNATIONAL Printing Ink Corp., 350 Fifth Ave., New York 1, N. Y.

FOUNTAINS, INK, GUNS

DIAMANT Ink Gun, 140 W. 17th St., New York 11, N. Y.

FOUNTAINS, INK, NEWSPAPER, COLOR, PORTABLE

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

FOUNTAIN SOLUTIONS, OFFSET-LITHO

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5

HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11, Missouri

★LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.

LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

★PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pennsylvania

★SIEBOLD, J. H. & G. B., 47 Watts St., New York 13, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

FURNACES, METAL

1 Remelting, Composing Room (Pig Molds and Tools)

2 Stereotype

1 2 AMERICAN Prtg. Mch. Co., 63 Park Row, New York, N. Y.

★AMERICAN Steel Chase Co., 3131 Forty-Eighth Ave., Long Island City 1, N. Y.

1 AUTOMATIC Saw Sharpening Co., 735 E. Ohio St., Indianapolis 2, Ind.

1 2 CONCO Engineering Co., Mendota, Ill.

1 2 FISHER Furnace Div., Lindberg Engineering Co., 2450 W. Hubbard St., Chicago 12, Ill.

1 2 GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.

1 2 GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

1 2 IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.

1 INDEPENDENT Electric Machinery Co., 300 Southwest Blvd., Kansas City 8, Mo.

1 INTERTYPE Corporation, 360 Furman St., Brooklyn 2, N. Y.

KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore 1, N. Y.

★LINOTYPE Parts Co., 203 Lafayette St., New York York 7, N. Y.

1 MARGACH Mfg. Co., Inc., 82 Beekman St., New York 7, N. Y.

★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.

MISSOURI-Central Type Foundry, Wichita, Kan.

★MONOMELT, Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.

1 NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.

1 2 SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

2 SURFACE Combustion, Toledo 1, Ohio

1 UNITED American Metals Corp., Calyer & Diamond Sts., Brooklyn 22, N. Y.

1 2 UNITED Stereotype Supply Corp., Box 38, West Lynn, Mass.

1 2 WESEL Manufacturing Co., 411 Gilligan St., Scranton 1, Pa.

2 WOOD Newspaper Machinery Corp., 501 Fifth Ave., New York 17, N. Y.

FURNITURE

- 1 Composition
2 Iron
3 Wood
- 1 2 3
ACME Wood Type Mfg. Co., 270 Lafayette St., New York 12, N. Y.
- AMERICAN Printing Machinery Co., 63 Park Row, New York 7, N. Y.
- 2
AMERICAN Wood Type & Engraving Co., 270 Lafayette St., New York 12, N. Y.
- 3
★CHALLENGE Machinery Co., Grand Haven, Mich.
- 2
DUPLEX Printing Press Co., Battle Creek, Mich.
- 2
★HAMILTON Mfg. Co., Two Rivers, Wis.
- 3
IRWIN Manufacturing Co., Garland 1, Pa.
- 3
★MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.
- 2
PAN-AMERICAN Engineering Co., 130 Manchester Ave., Detroit 3, Mich.
- 2
PERFECTION Type, Inc., 141 East 5th Street, St. Paul 1, Minn.
- 1 2
STEPHENS, Samuel & Wickersham Quoin Co., 174 High St., Boston, Mass.
- 2 3
SANDBERG Mfg. Co., 1949 W. Fulton St., Chicago 12, Ill.
- 3
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N. Y.
- 3
THOMPSON Cabinet Co., Box 286, Ludington, Mich.



GALLEY LABEL HOLDER

- AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
- ★HAMILTON Manufacturing Co., Two Rivers, Wis.
- METZ, Fred, 390 E. 162nd St., New York 56, N. Y.

GALLEYS AND GALLEY LOCKS

- ★ACME Type Foundry, 633 Plymouth Court, Chicago 5, Ill.
- ★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.
- AMERICAN Wood Type & Engraving Co., 270 Lafayette St., New York 12, N. Y.
- ANGLE Steel Stool Co., 309 W. Oak St., Plainwell, Mich.
- ★CHALLENGE Machinery Co., Grand Haven, Mich.
- ★FOSTER Mfg. Corp., 123 N. 13th St., Philadelphia 7, Pa.
- ★GRAPHIC Arts Products, 1959 E. Jefferson St., Detroit 7, Michigan
- ★HAMILTON Mfg. Co., Two Rivers, Wis.
- ★LINOTYPE Parts Co., Weatherly, Pa.
- REXFORD Paper Co., 1715 W. Canal St., Milwaukee, Wis.
- RIEHL Galley Lock Co., Inc., 1312 Ontario St., Cleveland 13, Ohio
- TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N. Y.
- 3
THOMPSON Cabinet Co., Box 286, Ludington, Mich.

GATHERING AND STITCHING MACHINES

(See Collating and Gathering)

GAUGE PINS, GUIDES, GRIPPERS

- AUTOMATIC Register Guide Co., 3921 Seventh Ave., S., Birmingham 6, Ala.
- CASPER Gripper Co., 419 Cuyahoga Sav. Bldg., Cleveland 15, Ohio
- CLARKE E. C., 3630 Bloomington Ave., Minneapolis 7, Minn.
- GRAPHIC Arts Accessories, 308 Marquette Bldg., Detroit, Mich.
- GRAPHIC Arts Laboratories, 549 W. Randolph St., Chicago, Ill.
- GROVE, Jacob R., Co., 4024 Brandywine St., N. W., Washington, D. C.
- MEGILL, Edward L., Co., 761 Atlantic Ave., Brooklyn 17, N. Y.
- NORTHWEST Type Foundry, 507 S. 4th St., Minneapolis, Minn.
- PAN-AMERICAN Engineering Co., 25037 W. Warren, Dearborn, Mich.
- SPECIALTY Printing Equipment Co., 1617 Vandalia St., Cincinnati, Ohio
- STILES, Chas. L., 64 Hanford St., Columbus, Ohio
- STRAIT, H. H., 9510 Milton Ave., Overland, Mo.
- TRIUMPH Equipment Engineers, 507 S. Fourth, Minneapolis, Minn.

GAUGES, POWER, PAPER CUTTING MACHINES

- POWER Gauges, 304 Hudson St., New York 13

GAUGES AND TESTING INSTRUMENTS

- 1 Abrasion Tester
2 Casting Box
3 Color Fastness to Light
4 Color Matching
5 Contrastometer
6 Copyfiting Systems
7 Densitometer
8 Depthometer
9 Durometer
10 Dotvalvescope
11 Half-tone Dot Microscope
12 Inkometer
13 Matrix
14 Micrometer
15 Moisture
16 Paper
17 pH Comparator
18 pH Meter
19 Plate
20 Press Test Blocks
21 Roller Setting
22 Rules and Line Gauges
23 Saw
24 Scleroscope
25 Sheet Register
26 Slug
27 Stroboscope
28 Surface Pyrometer
29 Tachometer
30 Type High
31 Burst Tester
- 1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
- American Printing Machinery Co., 63 Park Row, New York 7, N. Y.
- 30
AMERICAN Wood Type & Engraving Co., 270 Lafayette St., New York 12, N. Y.
- 30
AMTHOR Testing Instrument Co., Inc., 45 VanSinderen Ave., Brooklyn 7, N. Y.
- 14 15 29 31
ANALYTE Instruments, Inc., 15 Ward St., Bloomfield, N. J.
- 4
ATLAS Elec. Devices Co., 361 West Superior St., Chicago 10, Ill.
- 3
BLACK Rock Mfg. Co., 177 Osborne St., Bridgeport 5, Conn.
- 21
BRISTOL Company, Waterbury 91, Conn.
- 18 29
BROWN & SHARPE Mfg. Co., Providence, R. I.
- 14 16 30
CADY, E. J., & Co., 549 W. Washington St., Chicago 6, Ill.
- 14 16 31
CAMBRIDGE Instrument Co., Inc., 3732 Grand Central Terminal, New York 17, N. Y.
- 15 18 28
CAMERON Machine Co., 61 Poplar St., Brooklyn 2
- 27
★CHALLENGE Machinery Co., Grand Haven, Mich.
- 30
★CHAMPLAIN Co., Inc., 636 Eleventh Ave., New York 18, N. Y.
- 27
COMMERCIAL Engraving Publishing Co., 34 N. Ritter Ave., Indianapolis, Ind.
- 11
★CRAFTSMAN Line-Up Table Corp., 49 River St., Waltham 54, Mass.
- 25
DISSTON, Henry, & Sons, Inc., Tacony, Philadelphia 35, Pa.
- 23
DURANT Mfg. Co., Inc., 1979 N. Buffum St., Milwaukee 1, Wis.
- 29
DUST-LESS Equipment Co., 4021 19th St., N. E., Washington, D. C.
- 21
★ELCO Typographic Service, Second & Duerber Sts., S. W., Canton 6, Ohio
- 6
GENERAL Electric Co., 1 River Rd., Schenectady 5, N. Y.
- 4 27 29
GLOGAU & Co., 538 S. Clark St., Chicago 5, Ill.
- 14 16
GOSS Printing Press Co., 1435 S. Paulina St., Chicago 8, Ill.
- 2 30
★HABERULE Co., 7 E. 42nd St., New York 17, N. Y.
- 6
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
- 30
HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
- 4 10
IDEAL Industries, Inc., 5069 Park Ave., Sycamore, Ill.
- 29
LA MOTTE Chemical Prod. Co., Towson 4, Mo.

- 1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
- LANSTON Monotype Machine Co., 24th & Locust St., Philadelphia 3, Pa.
- 13
LITHOGRAPHIC Technical Foundation, 131 E. 39th St., New York 16, N. Y.
- 12
LONG Engineering Research Co., 1000 Wheatsthea Rd., Linden, N. J.
- 11
LUFKIN Rule Co., Saginaw, Mich.
- 14 27
★MACBETH Arc Lamp Co., 875 N. 28th St., Philadelphia 30, Pa.
- 3
MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.
- 16
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
- 6
MINDEN Paper Gauge Co., 230 W. 41st St., New York 18, N. Y.
- 16
★MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.
- 22
POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
- 15
PAVEY, Van R., 405 E. 46th St., New York 17, N. Y.
- 6
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
- 23
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
- 22
SIZE Control Co., Div. American Gauge & Machine Co., 35 E. Wacker Drive, Chicago 1, Ill.
- 16 19
23 26
SMITH & Winchester Mfg. Co., So. Windham, Conn.
- 27
STEWART-Warner Corp., 1826 Diversey Pkwy., Chicago, Ill.
- 29
TABER Instrument Corp., 111 Goundry St., N. Tonawanda, N. Y.
- 1 16
TAYLOR, W. A., & Co., 7300 York Road, Baltimore 4, Ohio
- 17 18
TESTING Machines, Inc., 427 W. 42nd St., New York 18, N. Y.
- 1 12 14 15 16 18 31
24 29
THWING-Albert Instrument Co., Penn & Pulaski, Philadelphia 49, Pa.
- 16
TIME Saver Products Co., 44 Salina St., Pulaski, N. Y.
- 30
★TI-PI Co., 1000 Broadway, Kansas City 6, Mo.
- 14 19 30
TOLEDO Scale Co., Toledo, Ohio
- 19
TRIPLER Gauge, 1 Dover St., New York 7, N. Y.
- 19
★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.
- 26 30
WALLIN Manufacturing Co., 309 S. 13th St., Omaha 2, Nebr.
- 23
WESTINGHOUSE Electric & Mfg. Co., East Pittsburgh, Pa.
- 27
WESTON Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark, N. J.
- 29
WILLIAMS, Brown & Earle, Inc., 918 Chestnut St. Philadelphia 7, Pa.
- 7 11
27 17 18
- GRAINING MACHINE LININGS**
AMERICAN Graded Sand Co., 2512 Greenview Ave., Chicago, Ill.
- GRAINING MACHINES, OFFSET-LITHO PLATES**
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
SENEFELDER Co., 32 Greene St., New York 13, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
WESSEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.
ZARKIN Machine Co., Inc., 34-19 10 St., Long Island City 6, N. Y.
- GRAINING SANDS AND QUARTZ**
CARBORUNDUM Co., Niagara Falls, N. Y.

SENEFELDER Co., 32 Greene St., New York 13, N. Y.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

GRINDING, CUTTING, DRILLING, POLISHING AND BUFFING MACHINES

BLACK & Decker Mfg. Co., 760 Pennsylvania Ave., Towson 4, Md.

CHICAGO Wheel & Manufacturing Co., 1101 W. Monroe St., Chicago, Ill.

★HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.

RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic, N. J.

GUILLOTINE CUTTERS, PHOTO-ENGRAVERS

DETROIT Edge Tool Co., 3425 Wright St., Detroit 7, Mich.

DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Mich.

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

WESEL Manufacturing Co., 411 Gilligan St., Scranton 1, Pa.

GUMMING, GLUING AND PASTING EQUIPMENT

- 1 Glue Pots and Kettles
- 2 Gluing, Gunning, Pasting Machines
- 3 Labeling
- 4 Lining
- 5 Mounting
- 6 Paper Covering
- 7 Stripping

1 2 3 4 5 6 7
ACME Electric Heating Co., 1217 Washington St., Boston, Mass.

1
ALTAIR Machinery Corp., 55-57 Vandam St., New York, N. Y.

7
AMERICAN Prtg. Mch. Co., Inc., 63 Park Row, New York 7, N. Y.

2 3
ANDERSON, C. F., & Sons, 3225 Calumet Ave., Chicago 16, Ill.

1
BLACK & Decker Mfg. Co., 760 Pennsylvania Ave., Towson, Md.

1
BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.

7
CHAMBERS Bros. Co., 52nd & Media St., Philadelphia, Pa.

2
DOEPFEL, J. E., Co., 626 Race St., Philadelphia, Pa.

2
DURBROW & Hearne, 12 Wooster St., New York

2
G. B. C. Mfg. Co., 812 W. Belmont Ave., Chicago 14

2
GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.

2
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.

1
GRAMMES, L. F., & Sons, Jordan & Union St., Allentown, Pa.

2 3
GUMMED Tape & Devices Co., 1318 Sixtieth St., Brooklyn, N. Y.

2
HIGH Production Machine Co., Inc., 533 N. 11th St., Philadelphia 23, Pa.

2
HOLLINGSWORTH, William, Machinery Co., 227 Holliday St., Baltimore, Md.

2
INSTANTANEOUS Glue Converter Co., 3752 Montgomery Ave., Cincinnati, Ohio

1
INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.

2
KLEEN-Slik Products, Inc., 2900 S. Michigan Ave., Chicago, Ill.

2
LIBERTY Electric Co., Inc., 1915 Madison Ave., Indianapolis, Ind.

1
MAYER Coating Machine Co., 520 Scottville Rd., Rochester, N. Y.

2
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.

2
MULLER, Chas. A., Co., 153 Lafayette St., New York 13, N. Y.

2
NEW Advance Machinery Co., 208 E. Central Ave., Van Wert, Ohio.

1
NEW Jersey Machine Corp., 16th & Willow Ave., Hoboken, N. J.

2 3 4 7
PADDY Machine Co., 610 Atlantic Ave., Boston, Mass.

2
PARRY, S. R., Machine Co., 222 Mill St., Rochester, N. Y.

3 4

1 2 3 4 5 6 7
PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.

PLEGER, John J., Co., 613 W. 13th St., Chicago 16, Ill.

3 4 5 6 7
POTDEVIN Machine Co., 1221 38th St., Brooklyn 18

1 2 3 4 5 6 7
ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

2 7
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.

2
SMYTH Manufacturing Co., 9 Sigourney St., Hartford 6, Conn.

2
SPECIALTY Automatic Machine Co., 88 Gerrish Ave., Chelsea 50, Mass.

2
STAUE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.

2
STA-Warm Electric Co., Ravenna, Ohio

1
STOKES & Smith Co., Frankford Ave., Philadelphia

2
U. S. AUTOMATIC Box Machinery Co., 18 Arborum St., Boston, Mass.

2 7
WALDRON, John, Corp., New Brunswick, N. J.

2



HEADBINDING MACHINES, BOOK-BINDER'S

FULLER, E. C., Co., 28 Reade St., New York 7, N. Y.

SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.

HEATERS, SHEET and WEB DRYERS

- 1 Gas
- 2 Electric
- 3 Lamps, Infra Red
- 4 Ovens
- 5 Unit, Industrial
- 6 Web Dryers

1 2 3 4 5 6
ACME Electric Heating Co., 1217 Washington St., Boston 18, Mass.

1 2
ACME Printing Appliance Co., 542 S. Dearborn St., Chicago 5, Ill.

1 2
ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

2
★BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.

2
★BRANDTJEN & Kluge, Inc., Gaultier at Como Ave., St. Paul 3, Minn.

2
CARRIER Corp., South Geddes St., Syracuse 1, N. Y.

5
CRAIG Corp., 143 W. 20th St., New York, N. Y.

1
CRONITE Co., 35 Park Pl., New York 7, N. Y.

1 2 3 4 5 6
★DOYLE, J. E., Co., 1220 W. Sixth St., Cleveland

2 3 4 5 6
FOSTORIA Pressed Steel Corp., Fostoria, Ohio

3 4 5 6
★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.

1 2
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.

2 3
HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore 2, Md.

2
MARSHALL Son & Wheelock, Inc., 82 Lincoln St., Boston 11, Mass.

2
MURRAY, D. J., Manufacturing Co., 1002-1024 Third St., Wausau, Wis.

5
NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis, Minn.

★RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.

1
SELAS Corporation, Erie Ave. & D St., Philadelphia 34, Pa.

1 4 5 6
STATIC Eliminator and Printing Press Heater Co., 239 Centre St., New York 13, N. Y.

1 2
TRANE Co., La Crosse, Wis.

5
TRIUMPH Equipment Engineers, 507 S. Fourth St., Minneapolis, Minn.

2
WABASH Appliance Corp., 345 Carroll St., Brooklyn 31, N. Y.

2 3 4 5 6
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

5

★BAHNSON Co., The, 1001 S. Marshall St., Winston-Salem, N. C.

GENERAL Electric Co., 1 River Rd., Schenectady 5

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GENERAL Electric Co., 1 River Rd., Schenectady 5

MERCHANTS & Evans Co., 2035 Washington Ave., Philadelphia 46, Pa.

TRANE Co., La Crosse, Wis.

WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

HINGED PAPER COVERING MACHINE

PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

HOISTS, PAPER ROLL, HAND AND ELECTRIC

GOSS Printing Press Co., 1435 S. Paulina St., Chicago 8, Ill.

LEWIS-Shepard Products, Inc., 239 Walnut St., Waretown 72, Mass.

RICHARDS-Wilcox Manufacturing Co., 176 Third St., Aurora, Ill.

SHAW Box Co., Muskegon, Mich.

YALE & Towne Manufacturing Co., 4530 Tacony, Philadelphia, Pa.

YALE & Towne Manufacturing Co., 4530 Tacony, Philadelphia, Pa.

HUMIDORS, MATRIX, STEREOTYPE

AMERICAN Prtg. Mch. Co., 63 Park Row, New York, N. Y.

NOLAN Machinery Corp., 1333 E. Dominick St., Rome, N. Y.

SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

WESEL Manufacturing Co., 411 Gilligan St., Scranton 1, Pa.

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IMAGE REVERSERS, STRAIGHT LINE

HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.

IMAGE REVERSING LENSES, STRAIGHT LINE

HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.

IMPRESSION LEAD, ELECTRO-TYPERS'

NATIONAL Lead Co., 111 Broadway, New York, N. Y.

REYNOLDS Metal Co., Reynolds Metal Bldg., Richmond, Va.

INDEX CUTTING MACHINES

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York, N. Y.
 ★TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
 ULLMAN, Sigmund, Co., Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51, N. Y.

INK TANKS

GOSS Printing Press Co., 1435 S. Paulina St., Chicago 8, Ill.
 ★HOE, K. & Co., Inc., 910 E. 138th St., New York 54, N. Y.

INKED RIBBONS

ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio
 MITTAG & Volber, Inc., 76 Park Ave., Park Ridge, N. J.
 UNDERWOOD Corporation, 1 Park Ave., New York 16, N. Y.

INK-ADJUSTING COMPOUNDS

ACME Printing Ink Co., 1315 W. Congress St., Chicago 7, Ill.
 ★AMERICAN Printing Ink, Gen. Prtg. Ink Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
 ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
 ARTCO Printing Ink Corp., 1715 W. Canal St., Milwaukee 3, Wis.
 ARTCRAFT Ink Co., 333 N. Diamond St., New Orleans 13, La.
 BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
 BARTA-Griffin Co., 72 Commercial St., Worcester 1, Mass.
 BOWERS Printing Ink Co., 711 W. Lake St., Chicago 6, Ill.
 BRAZNEILL Co., 2227 Walnut St., St. Louis 3, Mo.
 BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio
 CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
 CAMDEN Ink & Color Co., 1001 Market St., Camden, N. J.
 ★CENTRAL Compounding Co., 1718 N. Damen Ave., Chicago 47, Ill.
 ★CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
 EAGLE Printing Ink, Gen. Prtg. Ink Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
 FINNE-DETTRICK, Inc., 333 Hudson St., New York 13, N. Y.
 FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
 ★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
 HILL-Hentschell Co., 3928 Clayton Ave., St. Louis 11
 HUBER, J. M., Inc., 460 W. 34th St., New York 1
 INCO Co., 1426 W. Third St., Cleveland 12, Ohio
 INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 4, Ind.
 INK & Chemical Co., Inc., 507 Fifth Ave., New York 17

★JOHNSON, Charles Eneu & Co., 10th & Lombard St., Philadelphia 47, Pa.
 KOHL & Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
 LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.
 MC CUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
 MEINERS, Bernhard, Inc., 22 Albany St., New York 6, N. Y.
 MESSEROLE, Edward D., Co., 245 7th Ave., New York, N. Y.
 ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
 ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
 ★SINCLAIR and Valentine Co., 611 W. 129th St., Philadelphia, Pa.
 SLEIGHT Metallic Ink Co., 538-540 N. Third St., Philadelphia, Pa.
 ★SUN Chemical Corp., 100 Sixth Ave., New York 13
 SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
 ★TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
 ULLMAN, Sigmund, Gen. Prtg. Ink Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51
 WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N. Y.
 WINSLOW Ink Corp., 110 Greene St., New York

★JOHNSON, Charles Eneu & Co., 10th & Lombard St., Philadelphia 47, Pa.
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 MC CUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
 MEINERS, Bernhard, Inc., 22 Albany St., New York 6, N. Y.
 MESSEROLE, Edward D., Co., 245 7th Ave., New York, N. Y.
 ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
 ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
 ★SINCLAIR and Valentine Co., 611 W. 129th St., Philadelphia, Pa.
 SLEIGHT Metallic Ink Co., 538-540 N. Third St., Philadelphia, Pa.
 ★SUN Chemical Corp., 100 Sixth Ave., New York 13
 SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
 ★TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
 ULLMAN, Sigmund, Gen. Prtg. Ink Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51

★JOHNSON, Charles Eneu & Co., 10th & Lombard St., Philadelphia 47, Pa.
 KOHL & Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
 LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.
 MC CUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
 MEINERS, Bernhard, Inc., 22 Albany St., New York 6, N. Y.
 MESSEROLE, Edward D., Co., 245 7th Ave., New York, N. Y.
 ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
 ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
 ★SINCLAIR and Valentine Co., 611 W. 129th St., Philadelphia, Pa.
 SLEIGHT Metallic Ink Co., 538-540 N. Third St., Philadelphia, Pa.
 ★SUN Chemical Corp., 100 Sixth Ave., New York 13
 SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
 ★TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
 ULLMAN, Sigmund, Gen. Prtg. Ink Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51

INK DRIERS

ACME Printing Ink Co., 1315 W. Congress St., Chicago 7, Ill.
 ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
 ARTCO Printing Ink Corp., 1715 W. Canal St., Milwaukee 3, Wis.
 ARTCRAFT Ink Co., Inc., 333 N. Diamond St., New Orleans 13, La.
 BOWERS Printing Ink Co., 711 W. Lake St., Chicago 6, Ill.
 BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
 BRAZNEILL Company, Inc., 2227 Walnut St., St. Louis 3, Mo.
 CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
 CHEMICAL Color & Supply Co., Div. General Printing Ink Corp., 547 S. Clark St., Chicago 5, Ill.
 CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul 4, Minn.
 ★CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
 DRISCOLL, Martin, & Co., 610 Federal St., Chicago 5, Ill.
 FINNE-DETTRICK, Inc., 333 Hudson St., New York 13

FLINT, Howard, Ink Co., Clark Ave. & M. C. R. R., Detroit 9, Michigan
 ★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.

HELLMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N. Y.
 HERRICK, Wm. C., Inc., Ink Co., Maple St. & Erie R. R., East Rutherford, N. J.
 HILL-Hentschell Co., 3928 Clayton Ave., St. Louis 11
 HUBER, J. M., Inc., 460 W. 34th St., New York 1
 INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 4, Ind.

INK & Chemical Co., Inc., 507 Fifth Ave., New York
 ★JOHNSON, Charles Eneu & Co., 10th & Lombard St., Philadelphia 47, Pa.

KELLY, E. J., Gen. Prtg. Ink Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
 KOHL & Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
 LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.

MC CUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.

MEINERS, Bernhard, Inc., 22 Albany St., New York 6, N. Y.

MESSEROLE, Edward D., Co., 245 7th Ave., New York, N. Y.

OKIE, F. G., Inc., 247 S. Third St., Philadelphia 6

ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.

ROOSEN, H. D., Co., Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

SLEIGHT Metallic Ink Co., 538-540 N. Third St., Philadelphia, Pa.

★SUN Chemical Corp., 100 Sixth Ave., New York 13

SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.

★TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.

ULLMAN, Sigmund, Gen. Prtg. Ink Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51

WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N. Y.

WINSLOW Ink Corp., 110 Greene St., New York

★JOHNSON, Charles Eneu & Co., 10th & Lombard St., Philadelphia 47, Pa.

MOBARTO Chemical Co., Merrimac Div., Everett

ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.

ROOSEN, H. D., Co., Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

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★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

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★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16 17 18 19 20 21 22

23 24 25 26 27 28 29 30 31
 ACME Printing Ink Co., 1315 W. Congress St., Chicago 7, Ill.

3 4 17 18 8 9 21
 ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio

10
 ALUMINUM Co. of America, 801 Gulf Bldg., Pittsburgh 19, Pa.

22
 AMERICAN Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn 8, N. Y.

18
 AMERICAN Printing Ink, Gen. Prtg. Ink Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.

5
 ARTCO Printing Ink Corp., 1715 W. Canal St., Milwaukee 3, Wis.

1 2 4 5 17 8
 ARTCRAFT Ink Co., Inc., 333 N. Diamond St., New Orleans 13, La.

1 2 4 5 8 10
 ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3

19
 BAER Bros., 438 W. 37th St., New York City 18, New York

22
 BARTA-Griffin Co., 72 Commercial St., Worcester 1, Mass.

5
 BENSING Bros. & Deesney, 401 N. Broad St., Philadelphia 8, Pa.

1 2 5 6 18 19 9 22
 BOTH, O. A., Corporation, 114 Pearl St., Boston, Massachusetts

3
 BOWERS Printing Ink Co., 711 W. Lake St., Chicago 6, Ill.

2 3 4 5 6 18 8 9 10
 BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio

1 2 4 5 8 9 10
 BRAZNEILL Co., 2227 Walnut Street, St. Louis 3, Missouri

3 5 17 9
 BROWN Lindsay Paint Co., 2601 W. Grand Ave., Chicago 12, Ill.

9
 BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio

3 4
 CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.

17 20
 CAPITOL Printing Ink Co., 821 Third St., Des Moines 1, Iowa

12 13 14 15 17 18 8 9 10
 CARLSON, John P., Inc., 420 Carroll St., Brooklyn 15, N. Y.

2
 CHEMICAL Color & Supply Co., Div. General Printing Ink Corp., 547 S. Clark St., Chicago 5, Ill.

24 25 26 17 29 30 31
 CHICAGO Printing Ink Co., 205 W. Wacker Drive, Chicago 6, Ill.

3
 CONSOLIDATED Printing Ink Co., 481 N. Griggs St., St. Paul 4, Minn.

2
 CRAFTINT Mfg. Co., 1613 Collamer Ave., Cleveland, Ohio

19
 ★CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.

1 13 17 19 20 21
 CROWE Printing Ink Co., 724 N. 3d St., Philadelphia 23, Pa.

2 17 20
 BEN DAY, Inc., 118 E. 28th St., New York City 16, New York

11
 DRISCOLL, Martin, & Co., 610 Federal St., Chicago 5, Ill.

1
 EAGLE Printing Ink, Gen. Prtg. Ink Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51, N. Y.

2 3 4 5 6 9 10
 24 26 17 21

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
FINNE-Detrick, Inc., 333 Hudson St., New York 13
1 4 17 19 20
FLINT, Howard, Ink Co., Clark Ave. & M. C. R. R.,
Detroit 9, Mich.
1 2 4 5 17 8 9 10
14 20 21
FORCE, Wm. A. & Co., Inc., 216 Nichols Ave.,
Brooklyn 8, N. Y.
24 26 29
FUCHS & Lang, Gen. Prtg. Ink, Div. Sun Chemical
Corp., 100 Sixth Ave., New York 13, N. Y.
2 5 6 9 20 31
★GAETJENS, Berger & Wirth, Inc., 35 York St.,
Brooklyn 1, N. Y.
3 17 9 20
28 29
GOTHAM Ink & Color Co., 5-19 47th Ave., Long
Island City 1, N. Y.
1 17 20
GUTHRIE Ceramic & Labelling Machine Co., 424
Pitt St., Windsor, Ontario, Can.
23
HELMUTH, Charles, Printing Ink Corp., 154 W. 18th
St., New York 11, N. Y.
18 9 21 11
28 29
HERRICK, Wm. C., Ink Co., Inc., Maple St. & Erie
R. R., East Rutherford, N. J.
8
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
18
HILL-Hentschel Company, 3928 Clayton Ave., St.
Louis 10, Mo.
1 2 4 5 17 18 19 20 21 22
24 25 30
HUBER, J. M., Inc., 460 W. 34th St., New York 1
7 8
12
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark
St., Chicago 16, Ill.
3
INCO Company, 1426 W. Third St., Cleveland 13, O.
17
INK & Chemical Co., Inc., 507 Fifth Ave., New
York 17, N. Y.
13 14 18 8 10
★INTERNATIONAL Printing Ink Corp., 350 Fifth
Ave., New York 1, N. Y.
1 3 17 18 8 9 20 21
13 14 15 16 17 18 28 29 31
★JOHNSON, Charles Eneu, & Co., 10th & Lombard
Sts., Philadelphia 47, Pa.
1 2 4 5 7 8 10
13 14 15 17 18 20
★KELLY, E. J., Gen. Prtg. Ink Div. Sun Chemical
Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
1 25 26
LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New
York 17, N. Y.
1 2 4 5 6 8 20 22
★LITHO Chemical & Supply Co., 63 Park Row, New
York, N. Y.
19
MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pitts-
burgh 13, Pa.
13 15
MAYER, Robert, Co., Inc., 1107 Grand St., Hoboken,
N. J.
1 17 18 9
28 31
★MC ADAMS, John & Sons, Inc., 20 Knight St.,
Norwalk, Conn.
18
MCCUTCHEON Bros. & Quality, Inc., 1130 Cal-
lowhill St., Philadelphia, Pa.
4 9
MEINERS, Bernhard, Inc., 22 Albany St., New York
6, N. Y.
9
28
MELIND, Louis, Company, 362 W. Chicago Ave.,
Chicago 10, Ill.
13 14 15 18
MITTAG & Volger, Inc., 76 Park Ave., Park Ridge,
N. J.
14 18
MORRILL, Geo. H., Gen. Prtg. Ink Div. Sun Chemi-
cal Corp., 100 Sixth Ave., New York 13, N. Y.
2 3 4 5 6 8 9 10
26
OHIO Bronze Powder Co., 1120 E. 152d St., Cleve-
land 10, Ohio
3
OHIO Ink Laboratories, 308 Main St., Cincinnati 2
1
OKIE, F. G., Inc., 247 S. Third St., Philadelphia 6
2
OLSEN Mark Corp., 124 White St., New York 13,
N. Y.
15

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
PAYSON'S Indelible Ink Co., Northampton, Mass.
15
PEERLESS Roll Leaf Co., 4511 New York Ave.,
Union City, N. J.
POPE & Gray, Inc., 95 Morton St., New York 14,
N. Y.
2 3 5 17 9
26
REDIMAT Co., St. Petersburg, Fla.
27
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
1 2 3 4 5 17 7 8 9 10 11
12 13 14 15 17 18 19 20 21 22
23 25 26 27 28 29
★ROBERTS Numbering Machine Co., 694 Jamaica
Ave., Brooklyn 8, N. Y.
18
ROUSEN, H. D., Co., Div. Columbia Carbon Co., 41
E. 42nd St., New York 17, N. Y.
1 2 3 4 5 10 20 21
12 24 25 26 17 30
SCHWARM & Jacobus Co., 1216 Jackson St., Cin-
cinnati 10, Ohio
2 4 5 6 7 8 9 10
24 25 26
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New
York 51, N. Y.
1 4 5 6 8 9 21 22
24 25 28
★SINCLAIR & Valentine Co., 611 W. 129th St.,
New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chi-
cago, Ill.
2 3 5 6 9
24 25
STAFFORD, S. S., Inc., 609 Washington St., New
York 14, N. Y.
14 15 10
STOKES, A., Co., Hudson, Ohio
16
SUPERIOR Printing Ink Co., 295 Lafayette St., New
York 12, N. Y.
34 14 16 29 31
★TRIANGLE Ink & Color Co., 305 E. 45th St., New
York 17, N. Y.
2 4 5 17 18 20 21
24 25 26
ULLMAN, Sigmund, Gen. Prtg. Ink Div. Sun Chemi-
cal Corp., Park Ave. & 146th St., New York 51,
N. Y.
1 2 4 5 6 17 20 21
24 25 26
WILSON, W. D., Printing Ink Co., 5-38 46th Ave.,
Long Island City 1, N. Y.
1 31

INKS—STANDARD

1 Color Process
2 Engravers
3 Gloss
4 Gravure
5 Half-tone
6 Heat-Set
7 Letterpress
8 Metallic
9 Offset-Lithographic
10 Plate Printing
11 Rotary Press, News
12 Ruling
13 Safety (Bank Note)
14 Dull
15 Newspaper
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
ACME Printing Ink Co., 1315 W. Congress St., Chi-
cago 7, Ill.
1 3 6 7 8 9 11
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt
Road, Cleveland, Ohio
9
AMERICAN Printing Ink Co., Div. Sun Chemical
Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
1 3 4 5 6 7 9
ARTCO Printing Ink Corp., 1715 W. Canal St., Mil-
waukee 3, Wis.
1 2 3 5 7 8 9 10
ARTCRAFT Ink Co., Inc., 333 N. Diamond St., New
Orleans 13, La.
1 2 3 5 6 7 8 9 10
BAER Bros., 438 W. 37th St., New York 18, N. Y.
8
BARTA-Griffin Co., 72 Commercial St., Worcester 1,
Mass.
3 6 7 8 9 10
BENSING Bros. & Deeney, 401 N. Broad St., Phil-
adelphia 8, Pa.
3 5 7 8 9
13
BOTH, O. A., Corp., 114 Pearl St., Boston, Mass.
8
BOWERS Printing Ink Co., 711 W. Lake St., Chi-
cago 6, Ill.
1 2 3 5 6 7 9 10 11
13 15

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
BRADEN Surphink Ink Co., 3800 Chester Ave., Cleve-
land 14, Ohio
1 2 3 5 7 8 9 10
13
BRAZNELL Co., Inc., 2227 Walnut St., St. Louis 3,
Mo.
3 7 9
BUCKEYE Printing Ink Co., 480 S. Pearl St., Colum-
bus 15, Ohio
3 6 7 8
12
C. E. B. Printing Ink Co., 817 W. Washington Blvd.,
Chicago 7, Ill.
7 9
CALIFORNIA Ink Co., Inc., 545 Sansome St., San
Francisco 11, Cal.
1 2 3 4 5 6 7 8 9 10 11
CAPITOL Printing Ink Co., 821 Third St., Des
Moines 1, Iowa
9 11
CARLSON, John P., Inc., 420 Carroll St., Brooklyn
15, N. Y.
1 2 3 5 6 7 8 9 11
CARMICHAEL Printing Ink Co., 168 Forsyth, S. W.,
Atlanta 3, Ga.
7 9
CHEMICAL Color & Supply Co., Div. General Print-
ing Ink Corp., 547 S. Clark St., Chicago 3, Ill.
1 3 6 7 8 9
CHICAGO Printing Ink Co., 205 W. Wacker Drive,
Chicago 6, Ill.
7 8 9
CONSOLIDATED Printing Ink Co., 431 N. Griggs
St., St. Paul 4, Minn.
7 9
★CRESCENT Ink & Color Co. of Pa., 464 N. Fifth
St., Philadelphia 23, Pa.
3 4 6 7 8 9 10
12 13
CRONITE Company, 35 Park Place, New York 7
2 10
CROWE Printing Ink Co., 724 N. Third St., Phila-
delphia 23, Pa.
3 5 6 7 9
BEN DAY, Inc., 118 E. 28th St., New York 16, N. Y.
2
DREDGE, A., Ruling Pen Co., 350 W. 31st St., New
York 1, N. Y.
12
DRISCOLL, Martin & Co., 610 Federal St., Chicago
5, Ill.
7 9
EAGLE Printing Ink, Gen. Prtg. Ink Div. Sun Chemi-
cal Corp., Park Ave. & 146th St., New York 51,
N. Y.
2 3 5 6 7 8 9 11
FAUST, Rudolph, 628-632 Degraw St., Brooklyn 17
2 10
FINNE-Detrick, Inc., 333 Hudson St., New York 13
3 7 8 9 11
FLINT, Howard, Ink Co., Clark Ave. & M. C. R. R.,
Detroit 9, Mich.
1 2 3 5 6 7 8 9 11
12 13 15
FUCHS & Lang, Gen. Prtg. Ink Div. Sun Chemical
Corp., 100 Sixth Ave., New York 13, N. Y.
1 3 4 5 6 7 9
13
★GAETJENS, Berger & Wirth, Inc., 35 York St.,
Brooklyn 1, N. Y.
1 3 5 6 7 9
13
GOTHAM Ink & Color Co., 5-19 47th St., Long
Island City 1, N. Y.
1 3 4 5 7 8 9
GRADY & Neary Ink Co., 117 W. Harrison St.,
Chicago 5, Ill.
7 9
HELMUTH, Charles, Printing Ink Corp., 154 W.
18th St., New York 11, N. Y.
1 2 3 4 6 7 8 9
13
HERRICK, Wm. C., Ink Co., Maple St. & Erie R. R.,
Rutherford, N. J.
1 3 7 8 9
12
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
12
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
1 2 3 4 5 6 7 8 9 10
1 14
HUBER, J. M., Inc., 460 W. 34th St., New York 1
1 4 6 7 11
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark
St., Chicago 16, Ill.
8
INCO Company, 1426 W. Third St., Cleveland 13
1 3 7 8 9
INK & Chemical Co., Inc., 507 Fifth Ave., New York
17, N. Y.
1 2 3 4 7 8 9 11
★INTERNATIONAL Printing Ink Corp., 350 Fifth
Ave., New York 1, N. Y.
1 2 3 4 5 6 7 8 9 11
12 13
★JOHNSON, Charles Eneu, & Co., 10th & Lombard
Sts., Philadelphia 47, Pa.
1 2 3 4 5 6 7 8 9 11
12 13
KELLY, E. J., Gen. Prtg. Ink Div. Sun Chemical
Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
1 7 9
KOHL and Madden Printing Ink Co., 1132 S. Jeffers-
on St., Chicago 7, Ill.
4 7 9
LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New
York 17, N. Y.
1 2 4 5 6 7 8 9 11

- 1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
LITHOMAT Corp., 58 Charles St., Cambridge, Mass.
MANUFACTURERS Printing Ink Corp., 1 Main St., Brooklyn 1, N. Y.
MARKEM Machine Co., Keene, N. H.
MAYER, Robert, Co., Inc., 1107 Grand St., Hoboken, N. J.
★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.
MC CUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
MEINERS, Bernhard, Inc., 22 Albany St., New York 6, N. Y.
MEYER, E. W., Co., 407 E. Michigan St., Milwaukee, Wisc.
★MORRILL, Geo. H., Gen. Prtg. Ink Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
OHIO Ink Laboratories, 308 Main St., Cincinnati 2, Pa.
OKIE, F. G., Inc., 247 S. Third St., Philadelphia 6, Pa.
PACIFIC Coast Div. Sun Chemical Corp., 1425 Folsom St., San Francisco 3, Cal.
PEK, James L., 47 High St., West Orange, N. J.
POPE & Gray, Inc., 95 Morton St., New York 14, N. Y.
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
SCHWARM & Jacobus Co., 1216 Jackson St., Cincinnati 10, Ohio
SENEFELDER Company, Inc., 32 Greene St., New York 13, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.
SLEIGHT Metallic Ink Co., 538-540 N. Third St., Philadelphia, Pa.
STEEL City Printing Ink Co., 2 Penn Ave., Pittsburgh 22, Pa.
STOKES, A., Co., Hudson, Ohio
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
★TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
ULLMAN, Sigmund, Gen. Prtg. Ink Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51, N. Y.
WHALEY'S Metallic Powders, Freistatt, Mo.
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N. Y.
WINSLOW Ink Corp., 110 Greene St., New York 7, N. Y.

INK VARNISHES AND LACQUER

- 1 Lacquer
2 Varnish
ACME Printing Ink Co., 1315 W. Congress St., Chicago 7, Ill.
ALLIED Finishing Specialties Co., 2610 W. Grand Ave., Chicago 12, Ill.
★AMERICAN Printing Ink, Gen. Prtg. Ink Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, New York
ARTCRAFT Ink Co., Inc., 333 N. Diamond St., New Orleans 13, La.
BAER Bros., 438 W. 37th St., New York 18, N. Y.
BOTH, O. A., Corp., 114 Pearl St., Boston 10, Mass.
BOWERS Printing Ink Co., 711 W. Lake St., Chicago 6, Ill.

- 1 2
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BRAZZELL Co., Inc., 2227 Walnut St., St. Louis 3
BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
CHEMICAL Color & Supply Co., Div. General Printing Ink Corp., 547 S. Clark St., Chicago 3, Ill.
CHICAGO Printing Ink Co., 205 W. Wacker Drive, Chicago 6, Ill.
★CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
DRISCOLL, Martin, & Co., 610 Federal St., Chicago 2
DU PONT, E. I., de Nemours & Co., Wilmington, Del.
EAGLE Printing Ink, Gen. Prtg. Ink Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51, N. Y.
FLINT, Howard, Ink Co., Clark Ave. & MCRR, Detroit 9, Mich.
FUCHS & Lang, Gen. Prtg. Ink Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
GOTHAM Ink & Color Co., 5-19 47th St., Long Island City 1, N. Y.
HELLMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N. Y.
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
HILO Varnish Corp., 56 Stewart Ave., Brooklyn 6
HUBER, J. M., Inc., 460 W. 34th St., New York 1, N. Y.
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark St., Chicago 16, Ill.
INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 4, Ind.
INK & Chemical Co., Inc., 507 Fifth Ave., New York 17, N. Y.
★INTERNATIONAL Printing Ink Corp., 350 Fifth Ave., New York 1, N. Y.
★JOHNSON, Chas. Eneue, & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
KELLY, E. J., Gen. Prtg. Ink Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
KOHL and Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.
MC CUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
MEINERS, Bernhard, Inc., 22 Albany St., New York 6, N. Y.
MONSANTO Chemical Co., Merrimac Div., Everett 49, Mass.
OKIE, F. G., Inc., 247 S. Third St., Philadelphia 6, Pa.
PECK James L., 47 High St., West Orange, N. J.
POPE & Gray, Inc., 95 Morton St., New York 14, N. Y.
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.
SLEIGHT Metallic Ink Co., 538-540 N. Third St., Philadelphia, Pa.
SUN Chemical Corp., 100 Sixth Ave., New York 13
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
ULLMAN, Sigmund, Gen. Prtg. Ink Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51, N. Y.
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N. Y.
WINSLOW Ink Corp., 110 Greene St., New York 2

INSERTING MACHINES

- BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.
CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
★DEXTER Folder Co., Pearl River, N. Y.
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

J**JIG SAWS, DRILLING MACHINES**

- BOICE-Crane Co., 930 W. Central Ave., Toledo 6, Ohio
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
MILWAUKEE Saw Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.
PIONEER Toledo Corp., 1212 Jackson St., Toledo, Ohio
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
ROYLE, John, & Sons, 10 Essex St., Paterson 3, New Jersey
WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

JOGGING MACHINES

- ★ABRAMS, M. L., Co., 1639 Superior Ave., N. E., Cleveland, Ohio
AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.
MACK Specialties Co., 18 E. Fourth St., Cincinnati 2
MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.
NATIONAL Electronics, Inc., 628 North St., Geneva, Ill.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland 5, Me.
★SYNTRON Company, 575 Lexington Ave., Homer City, Pa.
★UNIVERSAL Jogger Co., 1627 Washington Ave., Minneapolis, Minn.

K**KNIVES, INK**

- FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, New York

KNIVES, MAKEREADY, OVERLAY

- CRONITE Co., Inc., 35 Park Place, New York 7, N. Y.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
★NAZDAR Company, 469 Milwaukee Ave., Chicago 10, Ill.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
STANLEY Electric Tools, New Britain, Conn.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

KODACHROME FILM CLEANER

- MERIX Chemical Co., 1021 E. 55th St., Chicago
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia 7, Pa.

L**LABELING MACHINES**

- GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
GUMMED Tape & Devices Co., 1318 Sixtieth St., Brooklyn, N. Y.
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N. Y.
KNOWLTON, M. D., Co., 47 Clarissa St., Rochester, N. Y.
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
NEW Jersey Machine Corp., 15th St. & Willow Ave., Hoboken, N. J.
POTDEVIN Machine Co., Inc., 1226 38th St., Brooklyn 18, N. Y.
REDINGTON, F. B., Co., 112 S. Sangamon St., Chicago 11, Ill.
STOKES & Smith Co., Frankford Ave., Philadelphia

LACQUER SPRAYING EQUIPMENT (See Bordering, Etc.)**LAMINATING MACHINES**

- ALTAIR Mchy. Corp., 55 Vandam St., New York
★CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.

HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City, N. Y.
 HUDSON-Sharp Machine Co., Green Bay, Wis.
 KNOWLTON, M. D., Co., 47 Clarissa St., Rochester, N. Y.
 MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston
 PARRY, Samuel R., Machine Co., 222 Mill St., Rochester, N. Y.
 POTDEVIN Machine Co., 1226 38th St., Brooklyn 18
 ROTOGRAVURE Engineering Corp., Subsidiary Miller Printing Mch. Co., Empire State Bldg., New York 1, N. Y.
 STAUBE E. G., Mfg. Co., 2675 University Ave., St. Paul, Minn.
 WALDRON, John, Corp., New Brunswick, N. J.

LAYOUT, POSITIONING PAPER

KEUFFEL & Esser Company, 300 Adams St., Hoboken, N. J.
 RULX Type Corp., 549 S. Wells St., Chicago, Ill.

LENS CLEANER

DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
 ★EASTMAN Kodak Co., Rochester 4, N. Y.
 MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

LENSES, MIRRORS, PRISMS

BACHE, Semon, & Co., 636 Greenwich St., New York 14, N. Y.
 BAUSCH & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 ★CHEMCO Photoproducts Company, New St., Glen Cove, N. Y.
 DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Mich.
 ★EASTMAN Kodak Co., Rochester 4, N. Y.
 GENERAL Scientific Corp., 4829 S. Kedzie Ave., Chicago 32, Ill.
 GOERZ American Optical Co., 317 E. 34th St., New York 16, N. Y.
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
 WESEL Mfg. Co., 411 Gilligan St., Scranton, Pa.
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.
 ZARKIN Machine Co., 34-19 10th St., Long Island City 6, N. Y.

LIFTS PAPER, FEEDER

(See Feeder Paper Lifts)

LIGHTING UNITS

ANALYTE Instruments, Inc., 15 Ward St., Bloomfield, N. J.
 BEATTIE Process Camera Corp., 210 Fulton St., New York 8, N. Y.
 BENJAMIN Electric Mfg. Company, Des Plaines, Ill.
 CURTIS Lighting, Inc., 6135 W. 65th St., Chicago 38
 FOSTORIA Pressed Steel Corp., Fostoria, Ohio
 FRINK Corporation, The, 27-01 Bridge Plaza No., Long Island City, N. Y.
 GENERAL Electric Co., Nela Park, Cleveland 12, Ohio
 GREGORY, Inc., 2929 S. Wabash Ave., Chicago 16
 ★MACBETH Daylighting Co., 227 W. 17th St., New York 11, N. Y.
 ★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
 MILLER Company, 99 Center, Meriden, Conn.
 SYLVANIA Electric Products Inc., 500 Fifth Ave., New York 18, N. Y.
 WABASH Appliance Corp., 345 Carroll St., Brooklyn 31, N. Y.
 WESTINGHOUSE Electric & Mfg. Co., East Pittsburgh, Pa.

LOCKUP, PLATE, INSTANTANEOUS

SPEEDY Machinery Co., 1477 S. W. 3rd St., Miami 35, Fla.

LOOPING MACHINES

(See Tag Machinery)

LOOSE-LEAF BINDERS, PARTS, INDEXES AND SYSTEMS

★AIGNER, F. J., Company, 503 S. Jefferson St., Chicago 7, Ill.
 BUCHAN Loose Leaf Records Co., Clifton Heights, Pa.
 BURKHARDT Company, 547 W. Larned St., Detroit 26, Mich.
 ELBE File & Binder Co., 649 Alden Street, Fall River, Mass.
 ELLINGSWORTH Mfg. Co., 200 S. Peoria St., Chicago 7, Ill.
 FLEX-O-Coil Products Co., 847 W. Washington Blvd., Los Angeles 15, Calif.
 GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.
 GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
 HEINN Company, 326 W. Florida St., Milwaukee, 4
 LEFAX Inc., 9th & Sansom Sts., Philadelphia 7, Pa.
 NATIONAL Blank Book Co., Holyoke, Mass.
 NELSON-Krause Loose Leaf Co., 224 W. Superior St., Chicago 16, Ill.
 REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N. Y.

SHEPPARD, C. E., Co., 4401 21st St., Long Island City 1, N. Y.
 SMITH, S. K., Company, 2857 N. Western Ave., Chicago 18, Ill.
 SPEED Products Co., 37-18 Northern Blvd., Long Island City 1, N. Y.
 TENACITY Mfg. Co., The, Lockland, Cincinnati 15
 WILSON-Jones Co., 3300 Franklin Blvd., Chicago 24, Ill.

LUBRICANTS, OILS, GREASES

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
 COOK'S Adam, Sons, Inc., 5 N. Stiles St., Linden, N. J.
 FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.
 FISKE Brothers Refining Co., Lubriplate Div., 129
 GULF Oil Corporation, Gulf Building, Pittsburgh 30
 ★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
 PECK, James I., 47 High St., West Orange, N. J.
 PURE Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 SUPERIOR Flake Graphite Co., 33 S. Clark St., Chicago 3, Ill.

LUBRICATING EQUIPMENT

BIJUR Lubricating Corp., 43-01 22nd St., Long Island City 1, N. Y.
 BOWSER, Inc., 1302 Creighton Ave., Ft. Wayne 2, Ind.
 RIVETT Lathe & Grinder, Inc., 20 Riverview Rd., Boston, Mass.



MACERATING MACHINES

JOHNSTON Tin Foil & Metal Co., 6100 S. Broadway, St. Louis, Mo.
 YOUNG Engineering Co., 2749 N. Janssen Ave., Chicago 14, Ill.

MAGNIFYING, REDUCING GLASSES

BACHE, Semon, & Co., 636 Greenwich St., New York 14, N. Y.
 BAUSCH & Lomb Optical Co., 685 St. Paul St., Rochester, N. Y.
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
 GLOGAU & Co., 538 South Clark St., Chicago 5, Ill.
 GREGORY, Inc., 2929 S. Wabash Ave., Chicago 16
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.
 ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis 8, Mo.
 OSTRANDER-Seymour Co., 4026 W. Lake St., Chicago 24, Ill.
 PAGE, Robert R., 41 Union Square, New York 3, N. Y.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York, N. Y.
 STANLEY Electric Tools, New Britain, Conn.
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia 1, Pa.
 ZEISS, Carl, Inc., 485 Fifth Ave., New York, N. Y.

MAILING WRAPPER PASTING DEVICES

★CHESHIRE Mailing Machines, 1415 Altgeld St., Chicago 14, Ill.
 DICK Mailer, The, 137 Tupper St., Buffalo 1, N. Y.
 NASHUA Package Sealing Co., Inc., Nashua, N. H.
 PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

MALLETS

GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 IRWIN Manufacturing Co., Garland 1, Pa.
 NEW Plastics Corp., 1017 N. Sycamore, Los Angeles 38, Calif.
 THOMPSON Cabinet Co., Ludington, Mich.

MARKING MACHINES

COXHEAD, Ralph, Co., 333 Sixth Ave., New York
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 IDEAL Industries, Inc., 5065 Park Ave., Sycamore 11, Ill.
 ★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
 MARKEM Machine Co., Keene, N. H.
 MARSH Stencil Co., 707 E. B St., Belleville, Ill.
 MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.
 MELIND, Louis Company, 362 W. Chicago Ave., Chicago 10, Ill.
 OLSEN Mark Corporation, 124 White St., New York 13, N. Y.
 ★ROBERTS Numbering Machine Co., 694 Jamaica Ave., Brooklyn 8, N. Y.
 STAFFORD Engraving Co., 229 N. Pennsylvania St., Indianapolis 6, Ind.

MARKING MACHINE, ROTOGRAVURE CYLINDER

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

MATRIX PAPERS

ALBEMARLE Paper Mfg. Co., The, Box 2189, Richmond, Va.
 CORKPAK Co., The, 44 South St., Mt. Vernon, N. Y.
 STANDARD Paper Mfg. Co., First & Hull Sts., Richmond, Va.
 WRENN Paper Co., Middletown, Ohio

MAT ROLLERS

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
 DUPLEX Printing Press Co., Battle Creek, Mich.
 GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 MAT-O-Cast Mfg. Co., 6444 S. Wolcott Ave., Chicago
 NOLAN Mch. Corp., 1333 E. Dominick St., Rome, N. Y.
 NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis 4, Minn.
 ★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. Y.
 SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.
 STEREO TYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
 TRIUMPH Egt. Engineers, 507 S. 4th, Minneapolis, Minn.

MATS, STEREO TYPE, DRY

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 BEVERIDGE Paper Co., 717 W. Washington, Indianapolis 4, Ind.
 BURGESS Cellulose Co., Freeport, Ill.
 CERTIFIED Dry Mat Corp., 9 Rockefeller Plaza, New York 20, N. Y.
 CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.
 DORSEY'S Printers Supply Co., Inc., 125 Pontotoc, Memphis, Tenn.
 FLEXIDEAL Dry Mat Co., 25 E. 26th St., New York
 RAPID Electrotone Co., McMicken Ave. & Race St., Cincinnati, Ohio
 STEREO TYPE Equipment Co., 2815 Irving Park Road, Chicago 18, Ill.
 WOOD Flong Corp., 551 Fifth Ave., New York 17

MAT TRIMMERS

COES, Loring Co., 72 Coes St., Worcester, Mass.
 GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 SHAW Machine & Tool Co., 1151 Temple St., Los Angeles, Cal.
 STA-Hi Corporation, 1020 Crocker St., Los Angeles
 WESEL Mfg. Co., 411 Gilligan St., Scranton, Pa.

METAL AND METAL FLUX

BELMONT Smelting & Refining Works, Inc., 330 Belmont Ave., Brooklyn 7, N. Y.
 BLATCHFORD, E. W., Co., 63 Park Row, New York 7, N. Y.
 DIVISION Lead Co., 836 W. Kinzie St., Chicago 22
 EMPIRE Metal Co., 820 E. Water St., Syracuse 3, N. Y.
 FARRELLO Company, 1243-45 N. 26th St., Philadelphia 21, Pa.
 ★FEDERATED Metals Div. American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.
 FINN, John, Metal Works, Inc., 384 Second St., San Francisco, Cal.
 FOUNDRY Chemical Co., 36-08 Review Ave., Long Island City 1, N. Y.
 GARDINER Metal Co., 4820 S. Campbell St., Chicago 32, Ill.
 ILLINOIS Zinc Co., 2959 W. 47th St., Chicago 32, Ill.
 IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
 KANSAS City Smelting Co., 2215 Guinotte Ave., Kansas City 1, Mo.
 KELLY Metal Corp., Humboldt and Calyer Sts., Brooklyn, N. Y.
 ★LINOTYPE Parts Co., Weatherly, Pa.
 MERCHANT & Evans Co., 2035 Washington Ave., Philadelphia, Pa.
 METALS Refining Co., Box 309, Hammond, Ind.
 MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
 NATIONAL Lead Company, 111 Broadway, New York 6, N. Y.
 PITTSBURGH White Metal Co., 3116 Penn Ave., Pittsburgh, Pa.
 ★UNITED American Metals Corp., Corner Calyer & Diamond Sts., Brooklyn 22, N. Y.
 VALENTI Metal Corp., 985 Grand St., Brooklyn, N. Y.

METAL MOLDS

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
 IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
 ★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
 MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
 ★UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.

METAL POTS

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
 ACME Electric Heating Co., 1217 Washington St., Boston 10, Mass.

DUPLEX Printing Press Co., Battle Creek, Mich.
ELECTRIC Heating Co., 8616 Madison Ave., South Gate, Cal.
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
GOSS Printing Press Co., 1435 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
INDEPENDENT Electric Machinery Co., Inc., 300 Southwest Blvd., Kansas City, Mo.
★INTERTYPE Corp., 360 Furman St., Brooklyn, N. Y.
KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore 2, Md.
★LINOTYPE Parts Co., Weatherly, Pa.
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
MARGACH Mfg. Co., Inc., 82 Beekman St., New York, N. Y.
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
MONOMELT Co., 1611 Polk St., N. E. Minneapolis, Minn.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

METAL, DUMPED, SEPARATORS

★UNITED American Metals Corp., Corner Calyer & Diamond Sts., Brooklyn 22, N. Y.

MITERING MACHINES

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.
★CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N. Y.
WALLIN Mfg. Co., 309 S. 13th St., Omaha 2, Neb.

MOLDING PRESSES, DIRECT PRESSURE, LEAD, MATS, PLASTIC, WAX

GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N. Y.
MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
NOLAN Machinery Corp., 1333 E. Dominick St., Rome, N. Y.
OSTRANDER Seymour Co., 4705 Arthington St., Chicago 44, Ill.
STEREOTEX Machinery Co., Box 167, Stamford, Conn.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
WESEL Mfg. Co., 411 Gilligan St., Scranton, Pa.

MOLESKIN AND MOLLETON

BEST, Edward H., & Co., 224 Purchase St., Boston
CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.
FUCHS & Lang Mfg. Gen. Prtg. Ink Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
GODFREY Roller Co., 215 N. Camac St., Philadelphia, Pa.
★ROBERTS & Porter, Inc., 402 S. Market St., Chicago
SENEFELDER Co., Inc., 32 Greene St., New York 13, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

MORTISER, TYPE

★ROUSE, H. B., & Co., 2114 N. Wayne Ave., Chicago 14, Ill.

MOTORS, CONTROLS, DRIVES

ALLIS-Chalmers Mfg. Co., Milwaukee 1, Wis.
ALLIS, Louis, Co., 427 E. Stewart St., Milwaukee 7
AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
CENTURY Electric Co., 1806 Pine St., St. Louis 3, Mo.
CHICAGO Electric Co., 1318 W. 22nd St., Chicago 8, Ill.
CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.
CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee
EMERSON Electric Mfg. Co., 8100 Florissant, St. Louis 21, Mo.
FAIRBANKS Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
HORTON Mfg. Co., 3016 University Ave., S. E., Minneapolis, Minn.
★KIMBLE Electric Division, Miehle Printing Press & Mfg. Co., 2005 Hastings St., Chicago 8, Ill.
KOHLER Systems Co., The, 159 E. Chicago Ave., Chicago 11, Ill.
LINK-Belt Co., 307 N. Michigan Blvd., Chicago 1
★LINOTYPE Parts Company, Main & Hudsonale, Weatherly, Pa.
★MERGENTHALER Linotype Company, 29 Ryerson St., Brooklyn 5, N. Y.
MONITOR Controller Co., 51 S. Gay St., Baltimore 2, Md.
NORTHWESTERN Electric Co., 408 S. Hoyle Ave., Chicago 12, Ill.

OILGEAR Co., 1560 W. Pierce St., Milwaukee 4
REEVES Pulley Co., 1227 Seventh St., Columbus, Ind.
RELANCE Electric & Engineering Co., 1101 Ivanhoe Rd., Cleveland, Ohio
ROCKWOOD Mfg. Co., 1801 English Ave., Indianapolis 6, Ind.
U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 54, Calif.
WAGNER Electric Corporation, 6400 Plymouth Ave., St. Louis 14, Mo.
WESTINGHOUSE Electric Corp., P.O. Box 868, Pittsburgh, Pa.

MULTIPLE NEGATIVE MACHINES

★LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio



NAILING MACHINES

GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
★PHILLIPS & Jacobs, 622 Race St., Philadelphia
WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

NAILS, BLOCKING (BRADS)

AMERICAN Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio
GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
★PHILLIPS & Jacobs, 622 Race St., Philadelphia

NEGATIVE AND PRINT DRYING CABINETS

DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
MERIX Chemical Co., 1021 E. 55th St., Chicago, Ill.
★PHILLIPS & Jacobs, 622 Race St., Philadelphia
SIMPLEX Specialty Co., 116 W. 14th St., New York 11, N. Y.
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

NEGATIVE CABINETS

ANGLE Steel Stool Co., 127 Oak St., Plainwell, Mich.
★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
★ROBERTSON, R., 400 W. Madison St., Chicago 8

NEWSPAPER COLOR ATTACHMENTS

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
★SCOTT, Walter, & Co., Plainfield, N. J.
WOOD Newspaper Mch. Corp., 501 Fifth Ave., New York 17, N. Y.

NEWSPAPER FILES AND RACKS

EQUIPTO Div. Aurora Eqpt. Co., Aurora, Ill.
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
THOMPSON Cabinet Co., Ludington, Mich.

NEWSPAPER HEADING MATS

IMPRINT Matrix Co., Charlotte, N. C.

NEWSPAPER AND MAGAZINE REELS, TENSIONS

CAMERON Machine Co., 61 Poplar St., Brooklyn 2
CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.
GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Ill.
★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.
WOOD Newspaper Mch. Corp., 501 Fifth Ave., New York 17, N. Y.

NITRAZINE PAPER, GRAVURE

SQUIBB & Sons, E. R., 745 Fifth Ave., New York 22

NUMBERING MACHINES

(See Counters, Daters, Etc.)



OFFSET DIRECT PROJECTION MACHINES

HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.

LANSTON Monotype Machine Co., 24th & Locust, Philadelphia 3, Pa.

OFFSET-LITHOGRAPHIC PLATE GRAINING

★ALJEN Associates, 1215 Primrose St., Cincinnati 23, Ohio
SCOTT, Asa D., Industries, 1028 E. 63rd St., Chicago 37, Ill.

OFFSET-LITHOGRAPHIC PLATE MAKING

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
BRAUER & Sons, Inc., 1718 N. 1st St., Milwaukee 12, Wis.
FUCHS & Lang, Gen. Prtg. Ink Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
★GRAPHIC Arts Corp., Jackson at 11th, Toledo 2
MONO Trade, 213 S. Sixth St., Minneapolis, Minn.

OFFSET-LITHOGRAPHIC SUPPLIES

ANCHOR Chemical Co., Inc., 829 Bergen St., Brooklyn 16, N. Y.
ANSCO, 40 Charles St., Binghamton, N. Y.
BAUMGARDNER, H. K., Sales & Service Co., 1935 Euclid Ave., Cleveland 15, Ohio
BRADEN-Sutton Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
CALIFORNIA Ink Co., 545 Sansome St., San Francisco 11, Cal.
★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
DOM, G. C., Supply Co., 125 Pearl St., Cincinnati
DOUTHITT Corp., The, 680 E. Fort St., Detroit 26
FOTOPLATE Co., 32 Oxford St., Newark 5, N. J.
FUCHS & Lang Mfg. Gen. Prtg. Ink Div. Sun Chemical Corp., 100 Sixth Ave., New York 13
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
★INTERNATIONAL Printing Ink Corp., 350 Fifth Ave., New York 1, N. Y.
LE PAGES, Inc., 144 Essex Ave., Gloucester, Mass.
★LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.
LITHOMAT Corp., 58 Charles St., Cambridge 4, Mass.
METZGER, Alfred E., 30 Irving Place, New York 3
NORMAN-Willems Co., 316 W. Washington St., Chicago, Ill.
★PHILLIPS & Jacobs, 622 Race St., Philadelphia
PHOTO Litho Plate Graining Co., The, 1207 S. Highland Ave., Baltimore, Md.
PITMAN, Harold M., Co., 51st Ave. and 33rd St., Chicago 50, Ill.
ROBERTS & Porter, Inc., 402 S. Market St., Chicago
ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.
SENEFELDER Co., The, 32 Greene St., New York 13
SHERWIN-Williams Co., The, 101 Prospect Ave., Cleveland 1, Ohio
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

OFFSET REGISTERING CHASE

LANSTON Monotype Machine Co., 24th & Locust, Philadelphia 3, Pa.

OFFSET REGISTER RULE

LITHOGRAPHIC Technical Foundation, 220 E. 42nd St., New York 17, N. Y.

OVENS, DRYING

HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore 2, Md.
POTDEVIN Machine Co., 1226 38th St., Brooklyn 18

OVERLAYS, MECHANICAL

ANCHOR Chemical Co., 829 Bergen St., Brooklyn, N. Y.
CANTINE, Martin, Co., The, Saugerties, N. Y.
COLLINS, A. M., Mfg. Co., 226 Columbia Ave., Philadelphia, Pa.
CRAFTEX Laboratory, 4615 Elston Ave., Chicago 30
DURO Overlay Process, Box 333, Waterford, Wis.
OLESEN Mark Corp., 124 White St., New York 13
WALKER-Cutney Overlay Corp., 1374 Massachusetts Ave., Cambridge 38, Mass.



PACKAGING AND TYING MACHINERY

★AMERICAN Steel Chase Co., 31-31 48th Ave., Long Island City 1, N. Y.
AMSCO Packaging Machinery, Inc., 31-31 48th Ave., Long Island City 1, N. Y.
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.
BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.
BUNN, B. H., Co., 7605 Vincennes Ave., Chicago 20
GOAT, Fred, Co., 314 Dean St., Brooklyn 10, N. Y.
KNOWLTON, M. D., Co., 47 Clarissa St., Rochester, N. Y.
LIBERTY Folder Co., Sidney, Ohio
MAXSON Automatic Mch. Co., 98 Granite St., Westerly, R. I.

MERRILL Mfg. Co., Inc., 611 William St., Baltimore, Md.
 PACKAGE Mch. Co., Springfield, Mass.
 REDINGTON, F. B., Co., 112 So. Sangamon St., Chicago 7, Ill.
 SIGNODE Steel Strapping Co., 2600 N. Western Ave., Chicago, Ill.
 STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul, Minn.
 STOKES & Smith Co., Inc., Frankford, Philadelphia
 TIE CO., The, Unadilla, N. Y.

PADDING PRESSES

CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
 GROVE, Jacob R. Co., 4024 Brandywine St., N. W., Washington, D. C.
 MAT-O-CAST Mfg. Co., 6444 S. Wolcott Ave., Chicago, Ill.
 SPEEDY Machinery Co., 1477 S. W. Third St., Miami 35, Fla.
 SUTTER, O. W., Mfg. Co., 110 S. Brooke St., Fond du Lac, Wis.

PAGE FRAMES

RIEHL Galley Lock Co., Inc., 1312 Ontario St., Cleveland 13, Ohio
 ★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
 SEILER Mfg. Co., 18 W. Main St., Mt. Joy, Pa.

PAGING AND NUMBERING MACHINES

FORCE, Wm. A., & Co., 216 Nichols Ave., Brooklyn 8, New York
 GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
 HICKOK, W. O., Mfg. Co., Harrisburg, Pa.
 HOOLE Machine & Engraving Works, Inc., 30 Main St., Brooklyn, N. Y.
 ★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.
 ★NYGREN-Dahly Co., 218 N. Jefferson St., Chicago

PAPER CLEANERS, SHEET and WEB

★DOYLE, J. E., Co., 1220 W. Sixth St., Cleveland 13
 GOSS Printing Press Co., 1435 S. Paulina St., Chicago 8, Ill.

PAPER CUTTERS, TRIMMERS AND ACCESSORIES

(Also see Roll Leaf Cutters)

- 1 Automatic Power
 - 2 Cutting Sticks
 - 3 Knife Grinders
 - 4 Knives
 - 5 Label
 - 6 Lever
 - 7 Power Gauge
 - 8 Power, Hand Clamp
 - 9 Rotary
 - 10 Safety Guards
 - 11 Sheeter, Roll
- 1 2 3 4 5 6 7 8 9 10 11
 ACME Wood Type Mfg. Co., 270 Lafayette St., New York 12, N. Y.
- 2
 AMERICAN Wood Type & Engraving Co., 270 Lafayette St., New York 12, N. Y.
- 2
 ATKINS, E. C., and Co., 402 S. Illinois St., Indianapolis 9, Ind.
- 4
 AUTOMATIC Saw Sharpening Co., 735 E. Ohio St., Indianapolis 2, Ind.
- 3 4
 ★BECK, Charles, Corporation, 414 N. 13th St., Philadelphia 8, Pa.
- 11
 BOLTON, John W., and Sons, Inc., Lawrence, Mass.
- 4
 ★CHALLENGE Mch. Co., Grand Haven, Mich.
- 1 2 4 6 8 10
 ★CHANDLER & Price Co., 600 Carnegie Ave., Cleveland 3, Ohio
- 1 6 8
 CHAPMAN Knives & Saws, Inc., 504 S. Broadway, St. Louis 2, Mo.
- 6 8
 COES, Loring, Co., 72 Coes St., Worcester 3, Mass.
- 4
 CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.
- 2
 ★CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.
- 6
 ★DEXTER Folder Co., Pearl River, N. Y.
- 1
 DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 5, Pa.
- 3
 FATE-Root-Heath Co., Inc., Plymouth, Ohio
- 3
 FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
- 5
 ★HAMILTON Mfg. Co., Two Rivers, Wis.
- 2
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
- 1 2 3 4 5 7 8
 HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
- 3
 HILL, Frank M., Machine Co., Walpole, Mass.
- 1 2 4 5 6 7 8

- 1 2 3 4 5 6 7 8 9 10 11
 HOBBS Mfg. Co., 26 Salisbury St., Worcester 5, Mass.
- 5 6 9
 HOOPER, F. X., Co., Inc., Glen Arm, Md.
- 1
 IRWIN Mfg. Co., 199 Main St., Garland, Pa.
- 2
 JACQUES, John, & Son, 93 Webster St., Worcester 3, Mass.
- 6
 LASTICKS, Inc., 119-10 Surphin Blvd., Jamaica, L. I., N. Y.
- 2
 ★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.
- 1 2 4 5 6 7 8 10
 MAXSON Automatic Mch. Co., 98 Granite St., Westerly, R. I.
- 11
 MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
- 11
 MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
- 6
 ★MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.
- 3
 OHIO Knife Co., B. & O. R. R. & Dreman Ave., Cincinnati 23, Ohio
- 4
 PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
- 2 3 4 6
 POWER Gauges, 304 Hudson St., New York 13, N. Y.
- 7
 ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
- 5
 ROBERTSON, R. R., 400 W. Madison St., Chicago
- 4
 ROBINSON, John T., Co., 1476 River St., Boston 36
- 9
 ★ROGERS, Samuel C., & Co., 191 Dutton Ave., Buffalo 11, N. Y.
- 3 4
 SANDBERG Mfg. Co., 1949 W. Fulton St., Chicago 12, Ill.
- 2
 SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.
- 1 8
 ★SIEBOLD, J. H. & G. B., 47 Watts St., New York 13, N. Y.
- 2
 SIMONDS Saw and Steel Co., 470 Main St., Fitchburg, Mass.
- 4 9
 SIMONDS Worden White Co., 604 Negley Pl., Dayton 7, Ohio
- 4 9
 SMITH & Winchester Mfg. Co., Inc., South Windham, Conn.
- 9 11
 SWIGART Knife Grinder, 1148 S. Wabash Ave., Chicago 5, Ill.
- 3
 WAPAKONETA Machine Co., Box 179, Wapakoneta, Ohio

PAPER-EQUIVALENT SCALE

GREGGORY, Inc., 2929 S. Wabash Ave., Chicago 16
 TESTING Machines, Inc., 427 W. 42nd St., New York 1, N. Y.
 THWING-Albert Instrument Co., Penn & Palaski, Philadelphia 44, Pa.

PAPER SKIDS AND PLATFORMS

ALL STEEL Welded Truck Corp., 1149 Railroad Ave., Rockford, Ill.
 CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.
 EQUIPTO Div. Aurora Equipment Co., Aurora, Ill.
 KOHLER Systems Co., 159 E. Chicago Ave., Chicago 11, Ill.
 LEWIS-Shepard Products, Inc., 239 Walnut St., Watertown 72, Mass.
 MARKET Forge Co., 109 Garvey St., Everett 49, Mass.
 NUTTING Truck & Castor Co., 1125 W. Division St., Faribault, Minn.
 REVOLVATOR Co., 86th St. & Bergen Tpke., North Bergen, N. J.
 SERVICE Caster & Truck Co., The, 620 N. Brownwood Ave., Albion, Mich.
 YALE & Towne Mfg. Co., 4530 Tacony St., Philadelphia, Pa.

PARCHMENT, SHEEPSKIN

GLOGAU & Co., 538 S. Clark St., Chicago 5, Ill.

PASTERS, FLYING, FOR PRESSES (See Flying Pastors for Presses)

PEBBLING MACHINES

(See Embossing Machines, Roller)

PENS, RULING

DREDGE, A., Ruling Pen Co., 350 W. 31st St., New York 1, N. Y.
 HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
 ★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

PERFORATING MACHINES

CUMMINS Perforator Div., 4740 Ravenswood Ave., Chicago 40, Ill.
 GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 ★LAWSON, E. P., & Co., 424 W. 33rd St., New York 1, N. Y.
 LESTER & Wesley Co., The, Norwich, Conn.
 ★NEW Era Mfg. Co., Inc., 375 11th Ave., Paterson 4, N. J.
 ★NYGREN-Dahly Co., 218 N. Jefferson St., Chicago
 ★ROSBACK, F. P., Co., 5th and Park Sts., Benton Harbor, Mich.

PERFORATING, SLITTING AND SCORING ATTACHMENTS, PRESS

★BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.
 COWAN Pressroom Products, Inc., 1651 Cosmo St., Hollywood 28, Cal.
 DAVIDSON Perforator Co., P. O. Box 1235, New Haven 5, Conn.
 ★HAMILTON Tool Co., 9th & Hanover, Hamilton, Ohio
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 ★NEW Era Mfg. Co., The, 375 Eleventh Ave., Paterson, N. J.
 ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis

PHOTO-COMPOSING MACHINES

COXHEAD, Ralph C., Corp., 333 Sixth Ave., New York, N. Y.
 BREKA Photo Offset Engraving, Inc., 20 Vandam St., New York, N. Y.
 HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
 INTERNATIONAL Business Machines Corp., 43 Crouch St., Rochester 1, N. Y.
 LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 3, Pa.
 ★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
 WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio
 WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

PHOTOCOPY EQUIPMENT, PAPER AND CHEMICALS

DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N. Y.
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
 HALOID Co., 2-20 Haloid St., Rochester 3, N. Y.
 LITHOMAT Corporation, 58 Charles St., Cambridge 41, Mass.
 MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.
 REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N. Y.

PHOTO-IMPOSING SYSTEMS

LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.

PHOTO-LETTERING MACHINES

COXHEAD, Ralph C., Corp., 333 Sixth Ave., New York, N. Y.
 HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
 WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

PHOTOTYPE LETTERS

★ACME Type Foundry, 633 Plymouth Court, Chicago 5, Ill.
 FOTOTYPE Co., 629 Washington Blvd., Chicago 6
 PLANERS (See Saws and Planers)

PLATE COATING AND WHIRLING MACHINES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 AURORA School of Photo-Engraving, Aurora, Mo.
 BAUMGARDNER, H. K., Sales & Service Co., 1935 Euclid Ave., Cleveland 15, Ohio
 BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
 LITHOMAT Corporation, 58 Charles St., Cambridge 41, Mass.
 MASTER Etching Machine Co., 127 Greenwood Ave., Wyncote, Pa.
 MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio
 MOUNT Vernon Presses, Mt. Vernon, N. Y.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 50, Ill.
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 ★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
 SULLBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
 WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio
 WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.
 ZARKIN Machine Co., Inc., 34-19 10th St., Long Island City 6, N. Y.

PLATEMAKING MATERIAL

- 1 Aluminum
- 2 Brass
- 3 Copper
- 4 Lead
- 5 Linoleum, Battleship
- 6 Plastic
- 7 Rubber
- 8 Steel
- 9 Wood
- 10 Zinc, Polished, Photo Engravers
- 11 Zinc, Offset-Litho
- 1 2 3 4 5 6 7 8 9 10 11
- ACME Wood Type Mfg. Co., 61 Beekman St., New York, N. Y.
- ★ALJEN Associates, 1215 Primrose St., Cincinnati 23
- ALUMINUM Co. of America, 2116 Gulf Bldg., Pittsburgh, Pa.
- AMERICAN Steel & Copper Plate Co., 132 Nassau St., New York 7, N. Y.
- AMERICAN Zinc Products Co., Greencastle, Ind.
- ATLANTIC Zinc Works, 210 Van Brunt St., Brooklyn 31, N. Y.
- BAKELITE Corporation, 285 Madison Ave., New York 17, N. Y.
- CRONITE Co., Inc., 35 Park Pl., New York 7, N. Y.
- DAVIDSON Mfg. Corp., 1020 W. Adams, Chicago 7
- ★DAYTON Rubber Mfg. Co., Dayton 1, Ohio
- DIVISION Lead Co., 836 W. Kinzie St., Chicago 22
- DU PONT, E. I., de Nemours & Co., Plastic Plate Div., Arlington, N. J.
- ECONO Products, Inc., 132 Humboldt St., Rochester 10, N. Y.
- EDES Manufacturing Co., Water St., Plymouth, Mass.
- ★FEDERATED Metals Division, American Smelting and Refining Co., 120 Broadway, New York 5, N. Y.
- FOTOPLATE Co., 32 Oxford St., Newark 5, N. J.
- FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
- GARDNER Metal Co., 4820 S. Campbell Ave., Chicago 32, Ill.
- GOODRICH, B. F., Rubber Co., 500 S. Main St., Akron 18, Ohio
- GOODYEAR Tire & Rubber Co., 1114 E. Market St., Akron 16, Ohio
- HOKE Engraving Plate Co., 1024 Park Ave., St. Louis 4, Mo.
- ★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
- IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
- ★INTERNATIONAL Printing Ink, 350 Fifth Ave., New York 1, N. Y.
- ★LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.
- LITHOMAT Corp., 58 Charles St., Cambridge, Mass.
- MATTHIESSEN & Hegeler Zinc Co., LaSalle, Ill.
- MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
- MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10, Ill.
- METZGER, Alfred E., 30 Irving Place, New York 3
- ★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Ill.
- MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio
- MONOMELT Co., 1611 Polk St., N. E., Minneapolis, 13, Minn.
- NATIONAL Lead Co., 111 Broadway, New York
- PIONEER Rubber Engraving Co., 21 East 17th St., New York 3, N. Y.
- PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 50, Ill.
- PLASTOLITH Co., 221 Columbus Ave., Boston 16
- REVERB Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y.
- SENEFELDER Co., The, 32 Greene St., New York 13
- ★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.

- 1 2 3 4 5 6 7 8 9 10 11
- SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
- THIOKOL Corp., 780 W. Clinton Ave., Trenton, N. J.
- WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.
- ★TI-PI Company, 1000 Broadway, Kansas City 6, Missouri
- UNITED States Rubber, Inc., 1230 Sixth Ave., New York 20, N. Y.
- WILSOLITE Corp., 501 Amherst Street, Buffalo 7, New York

PLATE MOLDING EQUIPMENT
(Rubber and Plastic)

- A. A. Manufacturing Co., 1812 S. Main St., South Bend 14, Ind.
- ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
- GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio.
- HEINRICH, H. H., Inc., 200 Varick St., New York 14, N. Y.
- ★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N. Y.
- MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
- STEREOTEX Machinery Co., Box 167, Stamford, Conn.
- UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.
- WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.

PLATE MOUNTING DEVICES

- 1 Patent Base and Tools
- 2 Type Metal Base
- BLATCHFORD, E. W., Co., 63 Park Row, New York 7, N. Y.
- ★CHALLENGE Machinery Co., Grand Haven, Mich.
- ★COTTRELL, C. B., & Sons Co., 25 E. 26th St., New York 10, N. Y.
- FEEHRY Engineering Mach. Co., 2317 N. 15th St., Philadelphia 32, Pa.
- LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
- ★UDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
- M & L Typesetting & Electrotyping Co., Inc., 4001 Ravenswood Ave., Chicago 13, Ill.
- NATIONAL Lead Co., 111 W. Broadway, New York 6, N. Y.
- PITT, J. W., Inc., Bath, N. Y.
- ★PRINTING Machinery Co., The, 436 Commercial St., Cincinnati 2, Ohio
- STA-HI Corporation, 1020 Crocker St., Los Angeles 21, Calif.
- UNIQUE Steel Block Co., 304 Chemung St., Waverly, N. Y.
- WARNOCK, W. S., Co., 1524 Jonquil Terrace, Chicago 26, Ill.
- WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

PLATES, ALMANAC

PONTIAC Engraving & Electrotype Co., 812 W. Van Buren St., Chicago 7, Ill.

PLATES, CALENDAR

PONTIAC Engraving & Electrotype Co., 812 W. Van Buren St., Chicago 7, Ill.

PNEUMATIC DISPATCH TUBES

LAMSON Corp., Syracuse 1, N. Y.

POLISH, METAL

- AUTOMATIC Saw Sharpening Co., 735 E. Ohio St., Indianapolis 2, Ind.
- MILLER, Walter W., Co., 557 E. Washington St., Indianapolis 4, Ind.
- STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.

POURING SHEETS

- ★HOE, R., & Co., 910 E. 138th St., New York 54, N. Y.
- UNITED Stereotype Supply Corp., Box 38, West Lynn, Mass.

PRE-REGISTER IMAGE EQUIPMENT

- HEINRICH, H. H., Inc., 200 Varick St., New York 14, N. Y.
- HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
- ★TAYLOR Machine Co., 210 Guilford Ave., Baltimore, Md.

PRESS ATTACHMENTS (Also see Brakes, Press; Feeders, Folders, etc.; Gauge Pins, etc.)

- 1 Curled Stock Holders
- 2 Envelope Flap Holders
- 3 Foot Extensions
- 4 Guard, Hand, Platen Press
- 5 Hose for Press Air System
- 6 Pile Braces
- 7 Roll Winding Machines
- 8 Spring Clips
- 9 Web Side-Guiding Controls
- 10 Web Tensions
- 1 2 3 4 5 6 7 8 9 10
- ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
- ★BEALL, Jack, 641 South Dearborn Street, Chicago 5, Ill.
- CAMERON Machine Co., 61 Poplar St., Brooklyn 2
- MACK Specialties Co., 18 E. Fourth St., Cincinnati 2
- NATIONAL Sherardizing & Machine Co., 869 Windsor St., Hartford, Conn.
- ★RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.
- RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic, N. J.
- RELIABLE Printing Equipment Co., Erie Bldg., Cleveland 15, Ohio
- SERVWELL Products, 6523 Euclid Ave., Cleveland 3

PRESS BEARERS, KELLY

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.

PRESS PLATES (Saw Steel Draw-sheets and Tympan for Steel Rule Die Cutting)

DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.

PRESSES, PRINTING (Also see Die Cutting Machines, Die Cutting Presses, Die Stamping Presses, and Embossing Machines)

- 1 Anilin
- 2 Cylinder
- 3 Die-Cutting
- 4 Electronographic
- 5 Embossing
- 6 Flatbed Web
- 7 Gravure
- 8 Gravure Roll Feed
- 9 Gravure Sheet Feed
- 10 Magazine
- 11 Miehle, 3rd Color Unit
- 12 Multi-Color
- 13 Newspaper
- 14 Offset-Lithographic
- 15 Offset-Lithographic Roll Feed
- 16 Offset-Lithographic Sheet Feed
- 17 Perfector, Cylinder
- 18 Photogelatin (Collotype)
- 19 Platen
- 20 Platen, Roll Feed
- 21 Rotary, Letterpress, Roll Feed
- 22 Rotary, Letterpress, Sheet Feed
- 23 Vertical
- 1 2 3 4 5 6 7 8 9 10 11
- 12 13 14 15 16 17 18 19 20 21 22
- ★AMERICAN Machine & Mfg. Co., Inc., 1201 Folsom St., San Francisco, Cal.

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.

BABCOCK Printing Press Corp., 38 Pequot Ave., New London, Conn.

BATHRICK & Palmer Co., 1317 Princeton St., Elkhart, Ind.

★BRANDTJEN & Kluge, Inc., Gaultier St. & Como Ave., St. Paul, Minn.

★CHALLENGE Mch. Co., Grand Haven, Mich.

★CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.

★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio

★COTTRELL, C. B., & Sons Co., Westerly, R. I.

★CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22

COMMERCIAL Iron Works, 2424 Porter St., Los Angeles, Cal.

CRONITE Company, 35 Park Place, New York City 7, New York

DAVIDSON Mfg. Corp., 1020 W. Adams St., Chicago 7, Ill.

DIETZ Machine Works, 126 W. Fontaine St., Philadelphia, Pa.

DUPLEX Printing Press Co., Battle Creek, Mich.

★ELECTRIC Boat Co. (Printing Machy. Div.), 445 Park Ave., New York 22, N. Y.

GENERAL Printing Mch. Corp., 29 Ryerson St., Brooklyn 5, N. Y.

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N. Y.

★HAMILTON Tool Co., 9th & Hanover, Hamilton, Ohio

★HARRIS-Seybold Company, 4510 E. 71st St., Cleveland 5, Ohio

HENDY, Joshua, Corp., 601 W. 5th St., Los Angeles 13, Calif.

★HENSCHEL, C. B., Mfg. Co., 229 W. Mineral St., Milwaukee 4, Wis.

★HESS & Barker, 212-22 S. Darien St., Philadelphia 7, Pa.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

HOOPER, F. X., Company, Incorporated, Glen Arm, Maryland

HUDSON-Sharp Machine Co., 1207 Main St., Green Bay, Wis.

HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.

INMAN Mfg. Co., 41 Guy Park Ave., Amsterdam, N. Y.

INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.

KESLEY Co., 45 Crown St., Meriden, Conn.

KIDDER Press Co., Inc., Dover, N. H.

LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.

★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Ill.

★MILLER Printing Mch. Co., 1117 Reedsdale St., Pittsburgh 12, Pa.

MOTTER'S, George F., Sons, 132 S. Pershing Ave., York, Pa.

MT. Vernon Presses, 111 E. Grand St., Mt. Vernon, N. Y.

NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.

NORWOOD Engineering Co., Florence, Mass.

OLSENMARK Corp., 124 White St., New York 13

PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.

POTDEVIN Machine Co., 1221 38th St., Brooklyn 18

ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

★SCOTT, Walter, & Co., Plainfield, N. J.

SHAW Machine Tool Co., 1151 Temple St., Los Angeles 12, Cal.

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22

SPECIALTY Automatic Machine Co., 88 Gerrish Ave., Chelsea 50, Mass.

STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

STAUE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.

STOESSEL Machine Mfg. Corp., 534 W. 35th St., New York 1, N. Y.

SWIFT, George W., Inc., 7 Ward St., Bordentown, N. J.

THOMSON-National Press Co., Franklin, Mass.

VERNER, B., & Co., 52 Duane St., New York, N. Y.

WALDRON, John, Corp., New Brunswick, N. J.

WESTERN Printing Mch. Co., 430 S. Green St., Chicago, Ill.

WILLARD Mfg. Corp., 28 W. 23rd St., New York 14, N. Y.

WILLSEA Works, 371 St. Paul St., Rochester 5, N. Y.

WOOD Newspaper Mch. Corp., 501 Fifth Ave., New York 17, N. Y.

YOUNG Engineering Co., 2749 N. Janssen Ave., Chicago 14, Ill.

ZARKIN Machine Co., 34-19 10 St., Long Island City, N. Y.

PRESSES, PROOF

1 Multi-Color
2 Offset-Lithography
3 One Color

ALTAIR Mch. Corp., 55 Vandam St., New York 13

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.

★CHALLENGE Machinery Co., Grand Haven, Mich.

★COTTRELL, C. B., & Sons Co., Westerly, R. I.

GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., 910 E. 138th St., New York 54

LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 3, Pa.

NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.

NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis, Minn.

OSTRANDER-Seymour Co., 4026 W. Lake St., Chicago 24, Ill.

★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.

TRIUMPH Eqp't. Engrs., 507 S. 4th St., Minneapolis, Minn.

★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.

WESEL Mfg. Co., 411 Gilligan St., Scranton, Pa.

PRESSES, SPECIALTY PRINTING

1 Bag
2 Bank Note
3 Carton, Container
4 Cellophane
5 Check
6 Continuous Forms, etc.
7 Drinking Cup, Rotary, Web
8 Embossed, Die-Cut Seals
9 Envelope
10 Fans, Novelties, etc.
11 File Folder
12 Foil
13 Fruit Stamping
14 Imprinting, Bank Check, Cartons, Labels, etc.
15 Label
16 Letter, Form
17 Match Book Cover
18 Menu
19 Metal Plate, Glass, and Plastics
20 Milk Bottle Cap
21 Pencil
22 Photogelatin
23 Register Form
24 Rolling Surfaces and Rubber Ball
25 Sales Book
26 Show Card
27 Silk Screen
28 Snap-out and Zigzag
29 Tag

30 Tape and Ribbon
31 Ticket
32 Tube
33 Typewriter Ribbon Attachment
34 Wet Paper
35 Wood
36 Wrapper

ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

AMERICAN Machine & Mfg. Co., Inc., 1201 Folsom St., San Francisco, Cal.

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.

APEX Products Corporation, 142 W. 24th St., New York 10, N. Y.

BATHRICK & Palmer Co., 1317 Princeton St., Elkhart, Ind.

★CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.

★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio

★COTTRELL, C. B., & Sons Co., 25 E. 26th St., New York 10, N. Y.

CRONITE Co., 35 Park Place, New York 7, N. Y.

GOAT, Fred, Co., 314 Dean St., Brooklyn 10, N. Y.

HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N. Y.

★HAMILTON Tool Co., Ninth & Hanover Sts., Hamilton, Ohio

★HARRIS-Seybold Co., 4510 E. 71st, Cleveland 5

HENDY, Joshua, Corp., 601 W. 5th St., Los Angeles 13, Calif.

★HESS & Barker, 212 S. Darien Street, Philadelphia 7, Pa.

HOBBS Manufacturing Company, 26 Salisbury St., Worcester 5, Mass.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

HOOPER, F. X., Co., Inc., Glen Arm, Md.

★IMPERIAL Lithograph Press Corp., 11 W. 42nd St., New York 18

INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.

LINE-O-Scribe, Div. Globe Corporation, 400 N. Michigan Ave., Chicago 11, Ill.

MAKATAG Company, Reading, Mass.

MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.

MARKEM Machine Co., Keene, N. H.

MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.

★MILLER Printing Machinery Co., 1117 Reedsdale St., Pittsburgh 12, Pa.

★NAZ-DAR Company, 469 Milwaukee Ave., Chicago 10, Ill.

★NEW Era Mfg. Co., 375 11th Ave., Paterson 4, N. J.

PADDY Machine Co., 610 Atlantic Ave., Boston, Mass.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33
34	35	36								
PAPER Converting Machines Co., 601 Harvey St., Green Bay, Wis.										
POST Manufacturing Works, 671 Diversey Parkway, Chicago 14, Ill.										
POTDEVIN Machine Co., 1221 38th St., Brooklyn 18										
★RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.										
ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.										
★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.										
RYAN, E. G., Co., 727 So. Dearborn St., Chicago, Ill.										
SCHMUTZ Mfg. Co., Inc., 1600 W. Main St., Louisville, Ky.										
SCOTT, J. B., 4048 Camelia Ave., St. Louis, Mo.										
SELECTASINE Corp., 2738 Van Buren St., Chicago 12, Ill.										
SHOWCARD Machine Co., 1196 Merchandise Mart, Chicago 54, Ill.										
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine										
STOESSEL Machine Mfg. Corp., 534 W. 35th St., New York 1, N. Y.										
SUPERIOR Type Co., 1800 W. Larchmont St., Chicago 13, Ill.										
SWIFT, George W., Inc., 7 Ward St., Bordentown, N. J.										
UNDERWOOD Corporation, 1 Park Ave., New York 16, N. Y.										
VERNER, B., & Co., 52 Duane St., New York 7, N. Y.										
WALDRON, John, Corp., New Brunswick, N. J.										
WESTERN Printing Machinery Co., 430 S. Green St., Chicago 7, Ill.										
WILLSEA Works, 371 Saint Paul St., Rochester 5, N. Y.										
YOUNG Engineering Co., 2749 N. Janssen Ave., Chicago 14, Ill.										

PRINTING FRAMES

(Also see Vacuum Printing Frames)

- ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.
- BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
- DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.
- ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
- MILLER-Trojan Co., Inc., 1983 W. Main St., Troy, Ohio
- MT. VERNON Presses, Mt. Vernon, N. Y.
- SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
- SWEIGARD Ideal Co., 6122 N. 21st St., Philadelphia

PRINTING PAPER, SENSITIZED

- DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N. Y.
- ★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
- HALOID Co., The, 2-20 Haloid St., Rochester 3, N. Y.
- KLEEN-Stik Products, Inc., 2611 So. Indiana Ave., Chicago 26, Ill.

PUMPS, INK AND OIL

- ANCHOR Chemical Co., Inc., 829 Bergen St., Brooklyn 16, N. Y.
- BOWSER, S. F., & Co., 1302 Creighton Ave., Ft. Wayne, Ind.
- DUPLEX Printing Press Co., Battle Creek, Mich.
- FAIRBANKS, Morse & Co., 900 S. Wabash Ave., Chicago, Ill.
- GAST Mfg. Co., 113 Hinkley St., Benton Harbor, Mich.
- ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
- NEW Jersey Machine Corp., 15th & Willow Ave., Hoboken, N. J.

PUNCHES, PRESS

(See Ejector Press Punches)

PUNCHING AND ROUND CORNERING MACHINES

- ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
- AMERICAN Printing Machinery Co., 63 Park Row, New York 7, N. Y.
- BERRY Machine Co., 716 N. First St., St. Louis, Mo.
- ★CHALLENGE Machinery Co., Grand Haven, Mich.
- ★CRAFTSMAN Machinery Co., 575 Atlantic Ave., Boston, Mass.
- CUMMINS Perforator Co., 4740 Ravenswood Ave., Chicago, Ill.
- G. B. C. Manufacturing Co., 812 Belmont Ave., Chicago 14, Ill.
- GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago
- ★LASSCO Products, Inc., 485 Hague St., Rochester, N. Y.
- ★LAWSON, E. P. Co., Inc. 426 W. 33rd St., New York 1, N. Y.
- MICK, Walter K., Co., 500 Robert St., St. Paul 1, Minn.
- ★NYGREN-Dahly Co., Inc., 218 N. Jefferson St., Chicago 6, Ill.
- PLEGER, John J., Co., 613 W. 16th St., Chicago 16
- ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
- ★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
- ★ROSBACK, F. P., Co., 5th & Park Sts., Benton Harbor, Mich.
- SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Me.
- SPIRAL Binding Co., 406 W. 31st St., New York 1

PUNCH PRESSES

- WALSH Press & Die Co., 4737 W. Kinzie St., Chicago 44, Ill.

PYROMETERS (See Temperature Control and Indicators, Metal)**QUOINS AND KEYS**

- 1 Keys
- 2 Quoins
- 1 2 AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
- 1 2 AMERICAN Wood Type & Engraving Co., 270 Lafayette St., New York 12, N. Y.
- ★CHALLENGE Machinery Co., Grand Haven, Mich.
- 1 2 HEMPEL, H. A., 720 White Bldg., Buffalo 2, N. Y.
- ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
- ★MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.
- ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
- ★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
- 1 2 STEPHENS, Samuel, and Wickersham Co., 174 High St., Boston 10, Mass.
- 1 2 TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn 5, N. Y.
- ★WARNOCK, W. S., Co., 1524 Jonquil Terrace, Chicago 26, Ill.

**REFRIGERATING EQUIPMENT**

- AIRTEMP Division Chrysler Corp., 1600 Webster St., Dayton, Ohio
- CARRIER Corporation, S. Geddes St., Syracuse 1, N. Y.
- GENERAL Electric Co., 1 River Rd., Schenectady 5, N. Y.
- TRANE Co., La Crosse, Wis.
- WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

REGISTERING SYSTEMS

- CARLSON Co., The, 15 Hathaway St., Boston 10, Mass.
- ★CHALLENGE Machinery Co., Grand Haven, Mich.
- ★COTTRELL, C. B., & Sons Co., 25 E. 26th St., New York 10, N. Y.
- ★CRAFTSMAN Line-up Table Corp., 49 River St., Waltham 54, Mass.
- HEINRICH, H. H., Inc., 200 Varick St., New York 14, N. Y.
- ★HESS & Barker, 212 S. Darien St., Philadelphia 7

- HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
- LANSTON Monotype Machine Co., 24th and Locust St., Philadelphia 3, Pa.
- OLSEN Mark Corp., 124 White St., New York 13, N. Y.
- ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
- TAYLOR Machine Co., 210 Guilford Ave., Baltimore
- WOOD Newspaper Machinery Corp., 501 Fifth Ave., New York 17, N. Y.

REPRODUCTION PROOFING SYSTEM

- LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 3, Pa.
- TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
- ★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.

RIVETING MACHINES

- STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N. Y.

ROLLER CORES, BALL BEARING

- ★HART, Wm. C., Co., 137 Greene St., New York
- MOTOR City Roller Co., 448 E. Lafayette, Detroit 26

ROLLER, INKING, COATING MACHINES

- ★BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
- ★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.

ROLLER, INKING, CONDITIONING DEVICE

- BLACK Rock Mfg. Co., 177 Osborne St., Bridgeport 5, Conn.
- ★PAASCHE Airbrush Co., 1900 Diversey Parkway, Chicago 14, Ill.

ROLLER SECTIONING MACHINE (For "Split" Rollers)

- ★BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
- ★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.

ROLLER SPRAYS

(See Anti-Offset Equipment)

ROLLER TRUCKS, EXPANSION

- COWAN Pressroom Products, Inc., 1651 Cosmo St., Hollywood 28, Cal.
- MOTOR City Roller Co., 448 E. Lafayette, Detroit 26

ROLLER WASHING MACHINES

- ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.
- CLEAN-A-Press Machine Co., Box 264, Des Moines 1
- GEGENHEIMER, Wm., Inc., 78 Roebling St., Brooklyn 5, N. Y.
- HOLLINGSWORTH, Wm., Machine Co., 227 Holiday St., Baltimore 2, Md.
- INTERNATIONAL Press Cleaner & Mfg. Co., 112 Hamilton Ave., Cleveland, Ohio

ROLLERS

- 1 Composition
- 2 Covered
- 3 Folding Machine
- 4 Gravure
- 5 Hand
- 6 Offset-Lithographic
- 7 Proofing
- 8 Rubber, Natural
- 9 Rubber, Synthetic
- 10 Vulcanized Oil
- 1 2 3 4 5 6 7 8 9 10 ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Road, Cleveland, Ohio
- ★AMERICAN Roller Co., 1342 N. Halsted St., Chicago 22, Ill.
- 1 2 3 4 5 6 7 8 9 10 AMERICAN Wringer Co., Inc., Social St., Woonsocket, R. I.
- BEN DAY, Inc., 118 East 28th St., New York 16
- BINGHAM Brothers, Inc., 154 Nassau St., New York 7, N. Y.
- ★BINGHAM'S Sam'l, Son Mfg. Co., 636 S. Sherman St., Chicago 5, Ill.
- 1 2 3 4 5 6 7 8 9 10 CALIFORNIA Ink Co., 545 Sansome St., San Francisco 11, Cal.
- 1 2 3 4 5 6 7 8 9 10 CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul 4, Minn.
- ★CORKPAK Co., Inc., 45 South St., Mount Vernon, N. Y.
- ★CRONITE Co., 35 Park Pl., New York 7, N. Y.
- ★DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio
- 1 2 3 4 5 6 7 8 9 10 DU PONT, E. I., de Nemours & Co., Inc., Neoprene Div., Wilmington, Del.
- ★FUCHS & Lang, Gen. Prtg. Ink, Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.



SAFES, FIREPROOF

EMPIRE Safe Co., 220 Centre St., New York 13

SAWS, PLANERS, SHARPENERS

- 1 Block Levellers, Planers
 - 2 Odd Measure
 - 3 Planer Knives
 - 4 Saw Blades
 - 5 Saw Sharpeners
 - 6 Saw Swaging Machines
 - 7 Saw Trimmers
 - 8 Saws, Band
 - 9 Saws, Circular, Filing Machine
 - 10 Saws, Die-Makers
 - 11 Saws, Mitering
- 1 2 3 4 5 6 7 8 9 10 11
AMERICAN Printing Mach. Co., Inc., 63 Park Row, New York, N. Y.
- ★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
ATKINS, E. C., & Co., 402 S. Illinois St., Indianapolis 9, Ind.
- 1 2 3 4 5 6 7 8 9 10 11
AUTOMATIC Saw Sharpening Co., 735 E. Ohio St., Indianapolis, Ind.
- 1 2 3 4 5 6 7 8 9 10 11
BOICE-Crane Co., 930 W. Central Ave., Toledo 6
- 1 2 3 4 5 6 7 8 9 10 11
CHAPMAN Knives & Saws, Inc., 504 S. Broadway, St. Louis 2, Mo.
- 1 2 3 4 5 6 7 8 9 10 11
DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.
- 1 2 3 4 5 6 7 8 9 10 11
★FOSTER Mfg. Corp., 123 N. 13th St., Philadelphia 7, Pa.
- 1 2 3 4 5 6 7 8 9 10 11
FOLEY Manufacturing Co., 11 Main St., N. E., Minneapolis 13, Minn.
- 1 2 3 4 5 6 7 8 9 10 11
GOSS Printing Press Co., 1535 So. Paulina St., Chicago 8, Ill.
- ★HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.
- 1 2 3 4 5 6 7 8 9 10 11
HEATON & Anderson Div., 500 Como Ave., St. Paul 3, Minn.
- ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
★MILLER Printing Machinery Co., 1117 Reedsdale Ave., Pittsburgh 12, Pa.
- 1 2 3 4 5 6 7 8 9 10 11
MILWAUKEE Saw-Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.
- 1 2 3 4 5 6 7 8 9 10 11
MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
- 1 2 3 4 5 6 7 8 9 10 11
MOHR Lin-Saw Co., 126 N. Union Ave., Chicago 6
- 1 2 3 4 5 6 7 8 9 10 11
★MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
NESLON, C. B., Co., 508 S. Kolmar Ave., Chicago 5
- 1 2 3 4 5 6 7 8 9 10 11
NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis, Minn.
- 1 2 3 4 5 6 7 8 9 10 11
OSTRANDER-Seymour Co., 4026 W. Lake St., Chicago 24, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
★PHILLIPS & Jacobs, 622 Race St., Philadelphia
- 1 2 3 4 5 6 7 8 9 10 11
RALYA Saw Corp., 109 W. Second St., Cincinnati 2
- 1 2 3 4 5 6 7 8 9 10 11
★RICHARDS, J. A., Co., Kalamazoo 13F, Mich.
- 1 2 3 4 5 6 7 8 9 10 11
★ROGERS, Samuel C., & Co., 191 Dutton Ave., Buffalo 11, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
SAW & Knife Specialty Co., 6526 Carnegie Ave., Cleveland 3, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
SIMONDS Saw and Steel Co., 470 Main St., Fitchburg, Mass.
- 1 2 3 4 5 6 7 8 9 10 11
TRIUMPH Equipment Engineers, 507 Fourth St. S., Minneapolis 15, Minn.
- 1 2 3 4 5 6 7 8 9 10 11
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
WALLIN Mfg. Co., 309 S. 13th St., Omaha 2, Nebr.
- 1 2 3 4 5 6 7 8 9 10 11
WARDWELL Mfg. Co., 3167 Fulton Rd., Cleveland 9, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
WILLSON Products, Inc., Second & Washington Sts., Reading, Pa.
- 6

- 1 2 3
AUTOMATIC Saw Sharpening Co., 735 E. Ohio St., Indianapolis, Ind.
- 1 2 3
★CHALLENGE Machinery Co., Grand Haven, Mich.
- 1 2 3
CHICAGO Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
- 1 2 3
ELGIN Bending Machine Co., 320 E. Chicago St., Elgin, Ill.
- 1 2 3
GOSS Printing Press Co., 1525 So. Paulina St., Chicago 8, Ill.
- 1 2 3
★HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.
- 1 2 3
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
- 1 2 3
MARGACH Mfg. Co., Inc., 82 Beekman St., New York, N. Y.
- 1 2 3
MILWAUKEE Saw-Trimmer Co., 612 E. Clybourn St., Milwaukee 2, Wis.
- 1 2 3
NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.
- 1 2 3
ONSRUD Machine Works, Inc., 3900 W. Palmer St., Chicago 47, Ill.
- 1 2 3
OSTRANDER-Seymour Co., 4026 W. Lake St., Chicago 24, Ill.
- 1 2 3
PIONEER-Toledo Corp., 1212 Jackson St., Toledo 2
- 1 2 3
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
- 1 2 3
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.
- 1 2 3
TARPLEY, George, Co., Box 2401, Cleveland 12
- 1 2 3
ZANETTI Machine Works, Inc., 1701 Kirkwood Ave., San Francisco 24, Cal.

RUBBER STAMP MACHINERY

- ★AMERICAN Evatype Corp., Deerfield, Ill.
★LAKE Erie Engineering Corp., Riverview & Woodward Aves., Buffalo 17, N. Y.

RULE

- 1 Brass
 - 2 Cutting, Creasing, and Perforating
 - 3 Steel
- 1 2 3
ALVIN Company, 135 West 20th St., New York 11
- 1 2 3
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 6, N. J.
- 1 2 3
ATKINS, E. C., & Co., 402 S. Illinois St., Indianapolis 9, Ind.
- 1 2 3
DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.
- 1 2 3
HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.
- 1 2 3
LUDWIG-Duell Co., 30 Beekman St., New York 7
- 1 2 3
MARKEL Products Co., 100 Gold St., New York 7
- 1 2 3
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
- 1 2 3
SIMONDS Saw and Steel Co., 470 Main St., Fitchburg, Mass.
- 1 2 3
STEWART, Don, Co., 441 Clay St., San Francisco 11
- 1 2 3
TAYLOR-Made Rule Company, 65 Flatbush Ave., Brooklyn 17, N. Y.
- 1 2 3
UNIVERSAL Mono-Tabular Corp., 418 N. St. Paul St., Dallas 1, Tex.

RULE CASTERS

(See Composing Machines)

RULE, STEEL, BENDERS AND CUTTERS

- AA-1 Steel Rule Die Service, 538 S. Dearborn St., Chicago 5, Ill.
HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.
★RICHARDS, J. A., Co., Kalamazoo 13F, Mich.

RULING MACHINES

- DREDGE, A., Ruling Pen Co., 350 W. 31st St., New York 1, N. Y.
★HAMILTON Tool Co., Hamilton, Ohio
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.
LINDBLADH Corp., (Subsid. of Miami Industries, Inc.), 201 Morris St., Toledo 3, Ohio
★MCADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

- 1 2 3 4 5 6 7 8 9 10
GODFREY Roller Co., 215 N. Camac St., Philadelphia 7, Pa.
- 1 2 3 4 5 6 7 8 9 10
GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
- 1 2 3 4 5 6 7 8 9 10
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
- 1 2 3 4 5 6 7 8 9 10
HARRIGAN Roller Co., Inc., 311 Guilford Ave., Baltimore 2, Md.
- 1 2 3 4 5 6 7 8 9 10
★HART, Wm. C., Co., Inc., 137 Greene St., New York 12, N. Y.
- 1 2 3 4 5 6 7 8 9 10
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
- 1 2 3 4 5 6 7 8 9 10
MILWAUKEE Printers Roller Co., 422 S. Fourth St., Milwaukee 4, Wis.
- 1 2 3 4 5 6 7 8 9 10
MINTON, Louis, Ltd., c/o Dan J. Casey, Jr., 80 Warren St., New York 7, N. Y.
- 1 2 3 4 5 6 7 8 9 10
MOTOR City Roller Co., 448 E. Lafayette St., Detroit 26, Mich.
- 1 2 3 4 5 6 7 8 9 10
NATIONAL Roller Co., 307 Pearl St., New York 7
- 1 2 3 4 5 6 7 8 9 10
OHIO Roller Co., 4408 Detroit Ave., Cleveland 13
- 1 2 3 4 5 6 7 8 9 10
OSGOOD-Globe Corp., 33 Purchase St., Boston 10
- 1 2 3 4 5 6 7 8 9 10
PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
- 1 2 3 4 5 6 7 8 9 10
RAPID Roller Co., 2558 S. Federal St., Chicago 16
- 1 2 3 4 5 6 7 8 9 10
RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic, N. J.
- 1 2 3 4 5 6 7 8 9 10
ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.
- 1 2 3 4 5 6 7 8 9 10
ROSENER, Joseph, Co., 243 Vallejo St., San Francisco 11, Cal.
- 1 2 3 4 5 6 7 8 9 10
SANDS Roller Co., 2859 Detroit Ave., Cleveland 13
- 1 2 3 4 5 6 7 8 9 10
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
- 1 2 3 4 5 6 7 8 9 10
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
- 1 2 3 4 5 6 7 8 9 10
THIOKOL Corporation, 780 N. Clinton Ave., Trenton, N. J.
- 1 2 3 4 5 6 7 8 9 10
TWIN City Printers Roller Co., 505 S. 3rd St., Minneapolis 15, Minn.
- 1 2 3 4 5 6 7 8 9 10
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.
- 1 2 3 4 5 6 7 8 9 10
WILD & Stevens, Inc., 5 Purchase St., Boston 10, Mass.
- 1 2 3 4 5 6 7 8 9 10
WINN & GOODMAN, 440 Sansome St., San Francisco 11

ROLL LEAF CUTTERS

- COUGHLIN Mfg. Co., 697 E. 132nd St., New York 54, N. Y.
GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N. Y.
PEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J.

ROTARY PRESS KNIVES

- COES, Loring, Company, 72 Coes St., Worcester 3, Massachusetts
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
SIMONDS Worden White Co., 604 Negley Place, Dayton 7, Ohio

ROTOGRAVURE CYLINDER MARKING MACHINE (See Marking Machine, Rotogravure)

ROUGHING MACHINES

(See Embossing Machines, Roller)

ROUND CORNERING MACHINES

(See Punching and Round Cornering Machines)

ROUTING MACHINES

- 1 Line Slugs
 - 2 Relief Plates
 - 3 Router Bits
- 1 2 3
AMERICAN Printing Machinery Co., 63 Park Row, New York 7, N. Y.
- 1 2 3
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 6, N. J.
- 1 2 3
AURORA School of Photoengraving, Aurora, Mo.

SCALES

- 1 Platform
 - 2 Postal
 - 3 Paper
- AMTHOR Testing Instrument Co., 52A Van Sinderen Ave., Brooklyn 7, N. Y.
- CADY, E. J., & Co., 549 W. Washington St., Chicago 6, Ill.
- COMMERCIAL Controls Corporation, 640 Culver Road, Rochester 2, N. Y.
- DETECTO Scales, Inc., 1 Main St., Brooklyn 1, N. Y.
- FAIRBANKS, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
- PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.
- TOLEDO Scale Co., Toledo 12, Ohio
- YALE & Towne Mfg. Co., 4530 Tacony Street, Philadelphia, Pa.

SCREENS, HALFTONE

- DOUTHITT Corporation, 680 E. Fort St., Detroit 26
- ★EASTMAN Kodak Company, 343 State St., Rochester 4, N. Y.
- HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.
- LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 30, Pa.
- LEVY, Max, & Co., Wayne Ave. & Berkley St., Philadelphia, Pa.
- MOORE Laboratories, 70 W. Montcalm, Detroit 1
- ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
- ROBERTSON, R. R., 400 W. Madison St., Chicago

SCREENS, JUXTAPOSING

- HUEBNER Laboratories, 305 E. 46th St., New York 17, N. Y.

SEALING MACHINES, SEALS

- FULLER, E. C. Co., 28 Reade St., New York, N. Y.
- SEAL-O-Matic Machine Mfg. Corp., 225 Varick St., New York 14, N. Y.

SEALING MACHINES, TAPE

- ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
- BETTER Packages, Inc., Shelton, Conn.
- CHICAGO Gum Tape Co., 855 W. Adams St., Chicago 7, Ill.
- DRY-Tab Package Sealer Co., 4614 Prospect Ave., Cleveland, Ohio
- GUMMED Tape & Devices Co., 1318 60th St., Brooklyn, N. Y.
- NASHUA Package Sealing Co., Inc., 44 Franklin St., Nashua, N. H.
- SEAL-O-MATIC Machine Mfg. Co., 225 Varick St., New York 14, N. Y.

SEWING MACHINES AND NEEDLES

- ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
- CHICAGO Mchy. Lab., 2719 S. Poplar Ave., Chicago 8, Ill.
- OVERSEWING Machine Co., 368 Congress St., Boston 10, Mass.
- SINGER Manufacturing Co., 109 Trumbull St., Elizabethport, N. J.
- SMYTH Mfg. Co., 9 Sigourney St., Hartford, Conn.
- UNION Special Machine Co., 402 N. Franklin St., Chicago, Ill.

SHADING MEDIUMS

- BEN DAY, Inc., 118 East 28th St., New York 16, N. Y.
- CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
- ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
- TINTOGRAPH Co., The, 53 Park Row, New York 7

SHAVING, BORING AND PLANING MACHINES, FLAT PLATES

- ★COTTRELL, C. B., & Sons Co., 25 E. 26th St., New York, N. Y.
- ELGIN Bending Machine Co., 320 E. Chicago St., Elgin, Ill.
- GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
- ★HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.
- ★HESS & Barker, 212 S. Darien St., Philadelphia, Pa.
- ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
- MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
- ★RICHARDS, J. A. Co., 903 N. Pitcher St., Kalamazoo, Mich.
- STA-HI Corporation, 1020 Crocker St., Los Angeles
- STERBOTEX Machinery Co., P. O. Box 167, Stamford, Conn.
- STERBOTYPE Equipment Co., 2815 Irving Park Rd., Chicago, Ill.
- WESEL Mfg. Co., 411 Gilligan St., Scranton, Pa.

SHAVING MACHINE, ROTARY HEAD, ELECTROTYPERS'

- ★HESS & Barker, 212 S. Darien St., Philadelphia, Pa.
- MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.

OSTRANDER-Seymour Co., 4024 W. Lake St., Chicago, Ill.

SHEARS FOR STEREOTYPE MATS AND ELECTROTYPE SHELLS

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

SHELVING

EQUIPTO, Div. Aurora Equipment Co., Aurora, Ill.

LYON Metal Products, Inc., 1134 Madison, Aurora, Ill.

SHOOT BOARDS

★CHALLENGE Machinery Co., Grand Haven, Mich.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

WARNOCK, W. S., Co., 1524 Jonquil Terrace, Chicago 26, Ill.

WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

SILK SCREEN EQUIPMENT AND SUPPLIES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.

BROWN Lindsay Paint Co., 2601-75 W. Grand Ave., Chicago 12, Ill.

CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio

DOUTHITT Corp., The, 650 W. Baltimore Ave., Detroit 2, Mich.

GOODYEAR Tire & Rubber Co., The, 1144 E. Market St., Akron 16, Ohio

HAMMER Dry Plate & Film Co., Ohio & Miami Sts., St. Louis 18, Mo.

★NAZ-DAR Company, 469 Milwaukee Ave., Chicago

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

ROBERTSON, R. R., 400 W. Madison St., Chicago 6

RUXTON Products, Inc., Div. Interchemical Corp., 407 E. Eighth St., Cincinnati, Ohio

SELECTASINE Corp., 2738 Van Buren St., Chicago 12, Ill.

SHERWIN Williams Co., 101 Prospect, Cleveland 1

★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

SILVER SPRAY EQUIPMENT FOR ELECTROTYPING

MONOMELT Co., Inc., 1611 Polk St. N. E., Minneapolis 13, Minn.

★PHILLIPS & Jacobs, 622 Race St., Philadelphia

STEREOTEX Mchy. Co., Box 167, Stamford, Conn.

SKIING MACHINES

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.

LESTER & Wasley Co., Inc., 282 Franklin St., Norwich, Conn.

YOUNG Engineering Co., 2741 Janssen Ave., Chicago 14, Ill.

SLITTING AND REWINDING EQUIPMENT

ATKINS, E. C., & Co., 402 Illinois St., Indianapolis 9

★BECK, Charles, Corporation, 414 North 13th St., Philadelphia 8, Pa.

CAMERON Machine Co., 61 Poplar St., Brooklyn 2

CHAMBERS Bros. Co., Inc., 52nd & Media Sts., Philadelphia, Pa.

★CHAMPLAIN Co., Inc., 626 Eleventh Ave., New York 19, N. Y.

CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.

DAVIDSON Perforator Co., P. O. Box 1235, New Haven 5, Conn.

DIETZ Machine Works, 126 W. Fontaine St., Philadelphia, Pa.

★HAMILTON Tool Co., Ninth & Hanover Sts., Hamilton, Ohio

HOBBS Mfr. Co., 26 Salisbury St., Worcester 5, Mass.

HOOPER, F. X. Co., Inc., Glen Arm, Md.

INMAN Mfr. Co., Inc., Amsterdam, N. Y.

JACQUES, John, & Son, 93 Webster St., Worcester, Mass.

KIDDER Press Co., Inc., 121 Broadway, Dover, N. H.

KNOWLTON, M. D., Co., 28 Industrial St., Rochester, N. Y.

KOHLER Systems Co., The, 159 E. Chicago Ave., Chicago 11, Ill.

★McADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.

★NEW Fra Mfg. Co., Inc., 375 11th Ave., Paterson 4, N. J.

PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.

PARRY, S. R., Machine Co., 224 Mill St., Rochester, N. Y.

★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.

SIMONDS Worden White Co., 607 Negley Pl., Dayton 7, Ohio

STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul, Minn.

SWIFT, Geo. W., Jr., Inc., 7 Ward St., Bordentown, N. J.

WALDRON, John, Corp., River Rd., New Brunswick, N. J.

YOUNG Engineering Co., 2741 N. Janssen Ave., Chicago 14, Ill.

SLUG CORRECTOR

CURL Manufacturing Co., 500 Sansome St., San Francisco, Cal.

SLUG HIGH SINKERS

BANCROFT, Ralph, Co., 305 S. Fifth St., Minneapolis 15, Minn.

SPINNERS, GROMMETS, Etc.

GRAMMES, L. F., & Sons, Inc., Allentown, Pa.

STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N. Y.

SQUEEGEE MACHINES, ROTOGRAVURE CYLINDER

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

SQUEEGEES, SILK SCREEN

GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio

GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio

METZGER, Alfred E., 30 Irving Place, New York 3

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

STAMPER, BENCH LEVER

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago 7, Ill.

GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N. Y.

OLSEN Mark Corp., 124 White St., New York 13

PLEGER, John J., 613 W. 16th St., Chicago 16, Ill.

STANDING PRESSES, BINDERY

BERRY Machine Co., 716 N. First St., St. Louis, Mo.

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.

HICKOK, W. O., Mfg. Co., Box 425, Harrisburg, Pa.

★McADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

STANDARD Machinery Co., The, Mystic, Conn.

STAPLING MACHINES (Also see: STITCHERS, WIRE)

ACME Staple Co., 1643 Haddon Ave., Camden, N. J.

BATES Mfg. Co., The, 18 Central Ave., Orange, N. J.

BOSTITCH, Westerly, R. I.

FASTENER Corp., 860 Fletcher St., Chicago 14, Ill.

HELLER Co., The, 2135 Superior Ave., Cleveland 6

HOTCHKISS, E. H., Co., 10 Hoyt St., Norwalk, Conn.

SPEED Products Co., Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.

STATIC ELIMINATORS

★CHAPMAN Elec. Neutralizer Co., Box 268, Portland 6, Me.

CRAIG Corporation, 143 W. 20th St., New York 11

★HERBERT Mfg. Co., 14 Durland Pl., Brooklyn 12

KIDDER Press Co., Inc., Dover, N. H.

MAXSON Automatic Mchy. Co., 98 Granite St., Westerly, R. I.

MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.

MODERN Equipment Company, 2007-11 Coming, Omaha, Nebr.

SIMCO Co., The, 920 W. Master St., Philadelphia 22

STA-HI Corporation, 1020 Crocker St., Los Angeles 21, Cal.

STATIC Eliminator and Printing Press Heater Co., 239 Centre St., New York 13, N. Y.

TAKK Corp., The, Newark, Ohio

★U. S. RADIUM Corp., 535 Pearl St., New York 7, N. Y.

WESTERN Brush Company, 33 S. Market St., Chicago 6, Ill.

WICKWIRE Spencer Steel Co., 41 E. 42nd St., New York, N. Y.

STEEL RULE CUTTING DIES

ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N. Y.

AMERICAN Fabricator, 22 W. 21st St., New York 10, N. Y.

ARTISTIC Die Mfg. Co., 214 E. Eighth, Cincinnati

CUTWELL Steel Rule Die Co., 10 W. 20th St., New York 10, N. Y.

FREEDMAN Die Cutters, Inc., 10 W. 20th St., New York 11, N. Y.

HALE, Frank D., 64 Tonnele Ave., Jersey City 6, N. J.

★RICHARDS, J. A. Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.

STEEL STRAPPING

SIGNODE Steel Strapping Co., 2600 N. Western Ave., Chicago 47, Ill.

STEREOTYPE SUPPLIES, GUMMED TAPE, PACKING STRIPS, PART-ING POWER

BURGESS Cellulose Co., Freeport, Ill.

CERTIFIED Dry Mat Corp., 9 Rockefeller Plaza, New York 20, N. Y.

CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.

COYNE & Paddock, Inc., 48-15 32nd Place, Long Island City, N. Y.

DOM, C. C., Supply Co., 125 E. Pearl St., Cincinnati

FLEXIDEAL Dry Mat Co., 25 E. 26th St., New York

★HOE, R., & Company, 910 E. 138th St., New York 54, N. Y.

SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

STA-HI Corporation, 1020 Crocker St., Los Angeles 21, Cal.
 UNITED Stereotype and Supply Co., Box 38, West Lynn, Mass.
 WOOD Flog Corp., 551 Fifth Ave., New York 17

STIPPLING MACHINES (See Embossing Machines, Roller)

STITCHERS, WIRE

BOSTITCH, Westerly, R. I.
 CHICAGO Machinery Laboratory, 2719 S. Poplar Ave., Chicago 8, Ill.
 CHRISTENSEN Machine Co., The, 100 Fourth St., Racine, Wis.
 GANE Bros. & Lane, 1335 W. Lake St., Chicago, Ill.
 HELLER Co., The, 2135 Superior Ave., Cleveland 6
 HOFFERT Machine Co., 718 Marquette St., Racine, Wis.
 HOTCHKISS, E. H., Co., 10 Hoyt St., Norwich, Conn.
 INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
 JONES, James H., Co., 130 N. Clinton St., Chicago 6
 ★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N. Y.
 NEW Jersey Wire Stitching Machine Co., 608 S. Second St., Camden, N. J.
 ★NYGREN-Dahly Co., 218 N. Jefferson St., Chicago
 PABICH, W. R., Mfg. Co., 2855 N. Rockwell St., Chicago 18, Ill.
 ★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.
 SHERIDAN, T. W. & C. B., 129 Lafayette St., New York 13, N. Y.

STITCHING WIRE FEEDERS

BOSTITCH, Westerly, R. I.
 CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
 ★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.

STOCK CUTS

ARROW Service, P. O. Box 2217, Salt Lake City 13
 COMMERCIAL Cut Co., Inc., 151 W. 33rd St., New York 11, N. Y.
 EAST Texas Engraving Co., 322 E. Erwin, Tyler, Tex.
 HUX Cuts, 11 W. 42nd St., New York 18, N. Y.
 LUDWIG-Duell Co., 30 Beekman St., New York 7
 MERRELL Features, 318 W. Randolph St., Chicago 6
 ★SHINN, Cobb, 721 Union St., Indianapolis 4, Ind.

STOCK PHOTOGRAPHS

UNDERWOOD & Underwood, 321 E. 44th St., New York 17, N. Y.

STONES AND GRINDERS

FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
 SENEFFELDER Co., Inc., 32 Greene St., New York 13

STRIP MATERIAL CASTERS

(See Composing Machines)

STRIPPING MACHINES (See Gumming, Gluing and Pasting Equipment)

SUCTION CUPS

GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
 ★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.



TABLES AND STANDS

1 Bindery
 2 Case Filling, Electrotyping
 3 Cutting Stands, Gravure
 4 Cylinder Tables, Rotogravure
 5 Elevating Beating, Stereotyping
 6 Imposition
 7 Line-up and Register
 8 Make-up and Storage
 9 Offset-Litho, Layout
 10 Steam Tables, Stereotype
 11 Stereotype Forms
 12 Stripping
 13 Transfer for Vertical Press
 14 Viewing Stands, Gravure
 15 Work
 12 13 14 15
 ALLIED Steel Eqp't. Co., Lapeer, Mich.
 ANGLE Steel Stool Co., 309 W. Oak St., Plainwell, Mich.
 APPLETON Wood Products Co., Inc., Douglas & Second Sts., Appleton, Wis.
 ★BEALL, Jack, Vertical Service, 705 S. Dearborn St., Chicago 5, Ill.
 BROWN Coating Eqp't. Co., Wellston, Ohio

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15
 ★CHALLENGE Machinery Co., Grand Haven, Mich.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.

★CRAFTSMAN Line-up Table Corp., 49-59 River St., Waltham 54, Mass.
 12
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26

12
 DUPLEX Printing Press Co., McCamly and Houston Sts., Battle Creek, Mich.
 6
 EQUIPTO Div. Aurora Eqp't. Co., Aurora, Ill.

15
 GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
 GRAPHIC Arts Accessories, 308 Marquette Bldg., Detroit, Mich.
 13
 ★HAMILTON Mfg. Co., Two Rivers, Wis.

15
 ★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 5
 LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 3, Pa.

12
 ★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
 ★MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.

★MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 12
 PITMAN, Harold M., Co., 51st Ave. and 33rd St., Chicago 50, Ill.

12
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 ★SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Me.
 7
 STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

14
 TAYLOR Machine Co., 7600 York Rd., Baltimore
 THOMPSON Cabinet Co., Ludington, Mich.
 ★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.

WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio
 WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.
 WESTINGHOUSE Electric Corp., P.O. Box 868, Pittsburgh, Pa.

ZARKIN Machine Co., 34-19 10 St., Long Island City, N. Y.

TABLES, COOLING
 (See Cooling Tables)

TABULAR SYSTEMS (See Composing Machines and Supplies)

TACKERS, HAMMER AND COMPRESSION TYPE

BOSTITCH, Westerly, R. I.
 FASTENER Corp., 860 Fletcher St., Chicago 14, Ill.
 HELLER Co., The, 2135 Superior Ave., Cleveland 6
 SPEED Products Co., Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.

TAG MACHINERY
 1 Eyeletting
 2 Knotting, Looping, Stringing
 3 Patching

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
 BATES Mfg. Co., The, 18 Central Ave., Orange, N. J.
 MAKATAG Mfg. Co., 46 West St., Reading, Mass.

★NEW Era Mfg. Co., Inc., 375 11th Ave., Paterson 4, N. J.
 STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N. Y.

WAKEFIELD Machine Co., Inc., Wakefield, Mass.
 YOUNG Engineering Co., 2741 N. Janssen Ave., Chicago 14, Ill.

TANKS

BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 DOUTHITT Corp., The, 680 E. Fort St., Detroit 26
 GOODRICH, B. F. Co., 400 S. Main St., Akron 18, Ohio
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia
 ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

TAPE, ADHESIVE

(See Adhesive Tape)

TAPE COUPLERS

(See Couplers, Belt and Tape)

TAPE, FEEDER, DELIVERY and FOLDER (See Belts, Belting and Tape)

TAPE, GUMMED

(See Paper Section Directory)

TAPE, OVERLAY (See Adhesive Tape, Pressure Sensitive)

TEMPERATURE CONTROL AND INDICATORS, METAL

1 Electric Eye
 2 Pyrometers
 3 Thermometers
 4 Thermostats
 1 2 3
 BRISTOL Co., The, Waterbury, Conn.

DUPLEX Printing Press Co., Battle Creek, Mich.
 ★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.

FENWAL, Inc., 100 Main St., Ashland, Mass.
 FISHER Furnace Co., 5535 N. Wolcott Ave., Chicago 40, Ill.

GENERAL Electric Co., 1 River Rd., Schenectady 5, N. Y.
 GOSS Printing Press Co., 1535 S. Paulina, Chicago 8

★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 KEMP, C. M., Mfg. Co., The, 405 E. Oliver St., Baltimore, Md.

LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
 ★LINOTYPE Parts Co., Weatherly, Pa.

★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
 MONOMELT Co., Inc., 1611 Polk St. N. E., Minneapolis 13, Minn.

PARTLOW Corp., The, 2 Campion Rd., New Hartford, N. Y.
 POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.

ROBERTSHAW Thermostat Co., Youngwood, Pa.
 TAGLABUE, C. J., Mfg. Co., Park & Nostrand Aves., Brooklyn, N. Y.

TAYLOR Instrument Companies, Rochester 1, N. Y.
 ★UNITED American Metals Corp., Corner Calyer & Diamond Sts., Brooklyn 22, N. Y.

UNITED Stereotype Supply Corp., Box 38, West Lynn, Mass.
 WESTON Electric Instrument Corp., 614 Frelinghuysen Ave., Newark, N. J.

ZARKIN Machine Co., 34-19 10 St., Long Island City, N. Y.

TESTING INSTRUMENTS
 (See Gauges and Testing Instruments)

THERMOGRAPHIC (RAISED LETTER) MACHINES AND SUPPLIES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 DEVERE Co., 2000 Clark St., Racine, Wis.

EMBOSSOGRAF Corp. of America, 38 W. 21st St., New York 10, N. Y.
 EMBOSSOGRAPH Process Co., Inc., 251 William St., New York, N. Y.

FLEXO Mfg. Co., Inc., 35 Howard St., New York, N. Y.
 NOLAN Machinery Corp., 1333 E. Dominick St., Rome, N. Y.

STOKES, A., Co., The, Hudson, Ohio

VIRKOTYPE Corp., 1637 Gould St., Racine, Wis.
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

THIN SPACES

★ACME Type Foundry, 633 Plymouth Court, Chicago 5, Ill.
AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York, N. Y.
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.
GRAPHIC Arts Research Foundation, 18 E. Kinzie St., Chicago, Ill.
MISSOURI Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
TAYLOR-Made Rule Co., 65 Flatbush, Brooklyn

THINNING MACHINES FOR CURVED PLATES

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

THREAD, TWINE

(See Bookbinders' Supplies)

TIERING MACHINES

(See Elevators, Paper Handling)

TIE-UP SYSTEMS

JEFFY Tie Manufacturing Co., 1419 N. W. 8th Terrace, Miami, Fla.
RIEHL Galley Lock Co., Inc., 1312 Ontario St., Cleveland 13, Ohio

TIME CLOCKS AND RECORDERS

AMTHOR Testing Instrument Co., Inc., 45 VanSinderen Ave., Brooklyn 7, N. Y.
AUTOMATIC Time Stamp Co., 390 Atlantic Ave., Boston 10, Mass.
CINCINNATI Time Recorder Co., Inc., 1733 Central Ave., Cincinnati 14, Ohio
GENERAL Electric Co., 1 River Rd., Schenectady 5, N. Y.
INTERNATIONAL Business Machines Corp., 45 Crouch St., Rochester 1, N. Y.
ROBERTSON, R. R., 400 W. Madison St., Chicago 6
SIMPLEX Time Recorder Co., S. Lincoln St., Gardner, Mass.
STROMBERG Time Corp., 109 Lafayette St., New York 13, N. Y.

TIME SWITCHES

CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.
GENERAL Electric Co., 1 River Rd., Schenectady 5, N. Y.
PARTLOW Corp., The, 2 Campion Rd., New Hartford, N. Y.
STROMBERG Time Corp., 109 Lafayette St., New York 13, N. Y.

TIN EDGING MACHINES, HANGERS

GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.

TIN EDGING AND MOUNTING MACHINES

GRAMMES, L. F., & Sons, Inc., Allentown, Pa.

STUEBING Automatic Machine Co., 3424 Beekman St., Cincinnati 23, Ohio

TIPPING MACHINES

BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.
MARFESFORD Machine Co., 3880 Ridge Road West, Rochester 13, N. Y.
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
PARRY, S. R., Machine Co., 222 Mill St., Rochester 4, N. Y.
POTDEVIN Machine Co., 1221 38th St., Brooklyn 18

TOOL CABINETS

(See Cabinets, Cases, Racks)

TOOLS

1 Bookbinders
2 Engravers Cutting
3 Machinists
4 Platemakers
1 2 3 4
BROWN & Sharpe Mfg. Co., Providence, R. I.
3
CHICAGO Wheel & Mfg. Co., 1103 W. Monroe St., Chicago, Ill.
3
CRONITE Co., 35 Park Pl., New York 35, N. Y.
2 4
GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
1
GENERAL Binding Corp., 812 W. Belmont Ave., Chicago 14, Ill.
2
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
1
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
2 4
INTER-LINO Tool Co., The, 1504 N. Pulaski Rd., Chicago, Ill.
3
LUFKIN Rule Co., Saginaw, Mich.

1 2 3 4

★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.
1
METZGER, Alfred E., 30 Irving Place, New York 3
MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
3
NEW Plastic Corp., 1017 N. Sycamore, Los Angeles 38, Calif.
3
REID, William, Co., 2271 Clybourn Ave., Chicago 14
3
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York, N. Y.
2
STA-HI Corp., 1020 Crocker St., Los Angeles 21, Cal.
4
★TI-PI Co., 1000 Broadway, Kansas City 6, Mo.
4
WESEL Mfg. Co., 411 Gilligan St., Scranton, Pa.
2 4

TRACING PAPER

★EASTMAN Kodak Co., Rochester 4, N. Y.
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

TRADE MARKS, TYPE OR MATS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.
IMPRINT Matrix Co., Charlotte, N. C.
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
ROSS-AD-SEAL, Inc., Lord & Davidson Sts., Indianapolis, Ind.
STERLING Type Foundry, Vermontville, Mich.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

TRANSFER PAPER

DENNISON Mfg. Co., Framingham, Mass.
FUCHS & Lang, Gen. Prtg. Ink, Div. Sun. Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
METZGER, Alfred E., 30 Irving Place, New York 3
MID-STATES Gummed Paper Co., 2433 S. Damen Ave., Chicago, Ill.
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
SENEFELDER Co., The, 32 Greene St., New York 13
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

TRANSFER PRESSES

DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.

TRIMMING MACHINES, ELECTROTYPERS AND STEREOTYPERS

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

TRUCKS

1 Electric
2 Form
3 Form File
4 Form Lift
5 Gravure
6 Makeup
7 Metal
8 Paper Handling
9 Press Platform
10 Truck Wheels, Casters
11 Upright, for Bindery
1 2 3 4 5 6 7 8 9 10 11
★ABRAMS, M. L., Co., 1639 Superior Ave., Cleveland 14, Ohio

ALLIED Steel Equip. Co., Lapeer, Mich.

AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.

ANDERSON, C. F., & Co., 3225 S. Calumet Ave., Chicago 16, Ill.

ANGLE Steel Stool Co., 309 W. Oak St., Plainwell, Mich.

AUTOMATIC Transportation, 101 W. 87th St., Chicago 20, Ill.

BARRETT-Cravens Co., 3255 W. 30th St., Chicago 23, Ill.

BERRY Machine Co., 716 N. First St., St. Louis, Mo.

CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.

DUPLEX Printing Press Co., Battle Creek, Mich.

EASTON Car & Construction Co., Easton, Pa.

ECONOMY Engineering Co., 2653 W. Van Buren St., Chicago 12, Ill.

1 2 3 4 5 6 7 8 9 10 11

ELWELL-Parker Electric Co., 4120 St. Clair Ave., Cleveland 14, Ohio

EQUIPTO Div. Aurora Equipment Co., Aurora, Ill.

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8

★HAMILTON Mfg. Co., Two Rivers, Wis.

★HAMILTON Tool Co., 9th & Hanover, Hamilton, Ohio

LEWIS-Shepard Products, Inc., 239 Walnut St., Watertown 72, Mass.

MARKET Forge Co., 109 Garvey St., Everett 49, Mass.

MILWAUKEE Saw Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.

MODERN Eqpt. Co., 2011 Cuming St., Omaha 2, Nebr.

NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.

NORMAN, Wm. A., 185 N. Wabash Ave., Chicago 1

NUTTING Truck & Caster Co., Inc., 1125 W. Division St., Faribault, Minn.

REVOLVATOR Co., 86th St. & Bergen Tpke., North Bergen, N. J.

ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

SERVICE Caster & Truck Co., 681 N. Brownwood Ave., Albion, Mich.

SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

★SOUTHWEST Machine Co., 30 Warren Ave., Portland, Me.

STA-HI Corp., 1020 Crocker St., Los Angeles 21, Cal.

STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

THOMPSON Cabinet Co., Ludington, Mich.

★UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.

WESEL Mfg. Co., 411 Gilligan St., Scranton 1, Pa.

YALE & Towne Mfg. Co., 4530 Tacony St., Philadelphia 24, Pa.

1 8

TUSCHE

FUCHS & Lang Mfg. Co., div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.

★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.

★INTERNATIONAL Printing Ink Corp., 350 Fifth Ave., New York 1, N. Y.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.

2 3 6 7 8 11

TWEEZERS

HACKENSACK Specialty Mfg. Co., 200 Atlantic St., Hackensack, New Jersey

★LINOTYPE Parts Co., Weatherly, Pa.

LUDWIG-Duall Co., 30 Beekman St., New York 7

★PIONEER-Toledo Corp., 1212 Jackson St., Toledo 2

TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

11

TYING, PACKAGING MACHINERY

(See Packaging & Tying Machines)

TYMPAN PACKING AND PAPER (See

Cylinder—Drawsheets and Tym-

pans. Also "Tympan" in Paper Section)

TYMPAN PAPER ROLL HOLDERS,

WALL BRACKETS

NELSON Vertical Paper Cutter Co., 424 W. 22nd St., Norfolk 16, Va.

★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

TYMPAN STABBER

★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

TYPE

1 Army and Navy Insignia

2 Borders and Rules

3 Brass

4 Fonts, APL, Monotype and Thompson Cast

5 Foundry

6 Rubber

7 Slugs

8 Steel

9 Type Metal Strip

10 Wood

- 1 2 3 4 5 6 7 8 9 10
- ★ACME Detroit Type Foundry, 1959 E. Jefferson St., Detroit 7, Mich. 5
- ★ACME Type Foundry, 633 Plymouth Court, Chicago 5, Ill. 4
- ACME Wood Type Mfg. Co., 270 Lafayette St., New York 12, N. Y. 10
- ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y. 3
- ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J. 1 2 3 4 5 9 10
- AMERICAN Wood Type & Engraving Co., 270 Lafayette St., New York 12, N. Y. 10
- ★BALTIMORE Type & Composition Co., 15 S. Frederick St., Baltimore, Md. 3
- BAUER Type Foundry, Inc., 235 E. 45th St., New York 17, N. Y. 5
- BELMONT Smelting & Refining Wks., Inc., 330 Belmont Ave., Brooklyn 7, N. Y. 5
- CALIFORNIA Type Foundry, 440 Battery St., San Francisco 11, Cal. 4 5 7
- EMBOSOGRAF Corp., 38 W. 21st St., New York 10 1
- EMPIRE Type Foundry, Delevan, N. Y. 5
- GLOBE Wood Type Co., 2856 D St., Philadelphia 34 10
- HAASE Type Foundry, 1849 N. Halsted St., Chicago 14, Ill. 5
- ★HAMILTON Mfg. Co., Two Rivers, Wis. 10
- JOHNSON, Joseph E., Co., 610 Atlantic Ave., Brooklyn 17, N. Y. 8
- KELSEY Co., 45 Crown St., Meriden, Conn. 2
- LUDWIG-Duell Co., 30 Beekman St., New York 7 2 4 7 9
- MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa. 6 8
- MELIND, Louis, 362 W. Chicago Ave., Chicago 10 2 4 7 9
- ★MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan. 2 4 5 7 9
- MONO-Trade Co., 213 S. 6th St., Minneapolis 2, Minn. 2 4 7 9
- NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis 15, Minn. 2 4 7 9
- O. K. Light Type Foundry, 910 W. Van Buren St., Chicago 7, Ill. 2 4 5
- PERFECTION Type, Inc., 141 East 5th St., St. Paul 1, Minn. 2 4 5 9 10
- PRINTERS Supply Service, 719 S. Dearborn St., Chicago 5, Ill. 2 4 5 9
- QUAKER City Type Foundry, 152 N. 11th St., Philadelphia 7, Pa. 2 4 5
- RAYCO Type Founders, 604 W. Lake St., Chicago 6 2 4 5 9
- RULEX Type Corp., 549 S. Wells St., Chicago 5, Ill. 2 4 5 9
- SCHMIDT, Geo. T., Inc., 4108 N. Ravenswood Ave., Chicago 13, Ill. 2 4 5 9
- STERLING Type Foundry, Vermontville, Mich. 1
- STEWART, Don, Co., 441 Clay St., San Francisco 11 5
- STRIPFOUNDERS, Inc., 4550 S. Federal St., Chicago 9, Ill. 9
- TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn 17, N. Y. 2 4 5 7 9 10
- THOMPSON Type Founders, 1414 S. Harwood, Dallas 1, Tex. 4
- TURNER Printing Machinery, Inc., 2630 Payne Ave., 4 5 10
- ★UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y. 9

TYPE CASES

(See Cabinets, Cases, Racks)

TYPE HIGH GAUGE (See Gauges and Testing Instruments)

TYPE, SLUG CASTERS (See Composing Machines and Supplies)

TYPEWRITERS, JUSTIFYING

- COXHEAD, Ralph, Co., 333 Sixth Ave., New York REMINGTON Rand, Inc., 315 Fourth Ave., New York, N. Y.
- UNDERWOOD Corporation, Park Ave., New York 16, N. Y.

TYPEWRITER RIBBON ATTACHMENTS (See Presses, Specialty Printing)

TYPEWRITER, RIBBONS

- FUCHS & Lang Mfg. Co., Div., General Printing Ink Corp., 100 Sixth Ave., New York 13, N. Y.
- KEE Lox Mfg. Co., Rochester, N. Y.
- LITHOMAT Corp., 58 Charles St., Cambridge, Mass.
- MITTAG & Volger Inc., 76 Park Ave., Park Ridge, N. J.
- REMINGTON Rand, Inc., 315 Fourth Ave., New York, N. Y.
- STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.
- UNDERWOOD Corporation, Park Ave., New York 16, N. Y.



VACUUM PRINTING FRAMES

- ★AMERICAN Type Founders Sales Corp., 200 Elmora Ave., Elizabeth 8, N. J.
- BAUMGARDNER, H. K., Sales & Service Co., formerly American Rotaprint Corp., 1935 Euclid Ave., Cleveland 15, Ohio
- BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
- BROWN Coating Bt. Co., Wellston, Ohio
- DAVIDSON Mfg. Co., 1020 W. Adams, Chicago, Ill.
- DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.
- ★HARRIS-Seibold Co., 4510 E. 71st St., Cleveland 5 LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 3, Pa.
- LEVY, Max, & Co., Wayne Ave. & Berkley St., Philadelphia, Pa.
- LONG Engineering Research Co., 1000 Wheatshaf Rd., Linden, N. J.
- ★PHILLIPS & Jacobs, 622 Race St., Philadelphia PITMAN, Harold M., Co., 51st Ave. and 33rd St., Chicago 50, Ill.
- ROBERTSON, R. R., 400 W. Madison St., Chicago
- ★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
- SULLEBARGER, E. T. Co., 110 Fulton St., New York 7, N. Y.
- WESEL Mfg. Co., 411 Killigan St., Scranton 1, Pa.
- ZARKIN Machine Co., Inc., 34-19 10 St., Long Island City, N. Y.

VARIABLE SPEED PULLEYS

- ★DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio
- HORTON Co., 3016 University Ave., S. E., Minneapolis 14, Minn.
- NOLAN Machinery Corp., 1333 E. Dominick St., Rome, N. Y.
- REEVES Pulley Company, Dept. RV, Columbus, Ind.

VARIABLE SPEED TRANSMISSIONS

- ELECTRON Equipment Corp., 917 Meridian Avenue, So. Pasadena, Calif.
- GRAHAM Transmissions, Inc., 3754 N. Holton St., Milwaukee 12, Wis.
- LINK-Belt Company, 2045 W. Hunting Park Ave., Philadelphia 40, Pa.
- OILGEAR Co., 1560 W. Pierce St., Milwaukee 4, Wis.
- REEVES Pulley Co., Columbus, Ind.
- RELANCE Electric & Engineering Co., 1101 Ivanhoe Rd., Cleveland 10, Ohio
- U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 54, Calif.

VARNISH (See Inks)

VARNISHING MACHINES

(See Coating Machines)

VENTILATING SYSTEMS (See Air and Paper Conditioners, Anti-Offset Ept., and Heating, Ventilating Systems)

VIBRATION CONTROL METHODS

- FELTERS Co., The, 210 South St., Boston 11, Mass.
- GOODRICH, B. F., Rubber Co., 500 S. Main St., Akron 18, Ohio
- KORFUND Company, Inc., 48-15 32nd Place, Long Island City 1, N. Y.
- UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.
- VIBRATION Eliminator Co., 10-28 47th Ave., Long Island City 1, N. Y.



WASH, BLANKET

(See Blanket, Wash, Offset-Litho.)

WASHUP MATERIALS AND METHODS, OFFSET-LITHO

- ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
- CLEAN-A-Press Machine Co., 821 3rd St., Des Moines 1, Iowa

- DAVIDSON Mfg. Corp., 1020 W. Adams St., Chicago 7, Ill.
- FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
- GEGENHEIMER, Wm., 80 Roebing St., Brooklyn 1
- ★INTERNATIONAL Printing Ink Corp., 350 Fifth Ave., New York 1, N. Y.
- ★PHILLIPS & Jacobs, 622 Race St., Philadelphia RYAN, E. G., & Co., 727 S. Dearborn St., Chicago 5, Ill.
- ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
- ★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

WASHUP, OFFSET-LITHOGRAPHIC (See Roller, Inking, Washing Machines)

WASH, TYPE AND CUT

- ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N. Y.
- ★AMERICAN Steel Chase Co., 3131 Forty-Eighth Ave., Long Island City 1, N. Y.
- ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
- ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
- BRADEN Supthin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
- CHALMERS Chemical Co., 123 Chestnut St., Newark 5, N. J.
- CHEMICAL Color & Supply Co., 347 S. Clark St., Chicago 5, Ill.
- DURYEA Products Co., Inc., Empire State Bldg., New York 1, N. Y.
- EAGLE Printing Ink, Gen. Prtg. Ink, Div. Sun Chemical Corp., Park Ave. & 146th St., New York 51, N. Y.
- FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.
- ★GABTJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
- INCO Co., 1426 W. 3rd St., Cleveland 13, Ohio
- INDIANA Chemical & Mfg. Co., 317 So. Alabama St., Indianapolis 4, Ind.
- MESSEROLE, Edward D., Co., Inc., 245 7th Ave., New York, N. Y.
- METALS Refining Company, 1717 Summer St., Hammond, Ind.
- PECK, James I. (Reg.), 47 High St., West Orange, N. J.
- ★PHILLIPS & Jacobs, 622 Race St., Philadelphia PIERCE & Stevens, 710 Ohio St., Buffalo 3, N. Y.
- PURE Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
- RELIABLE Rule Co., 94 Academy St., Newark, N. J.
- ★SIEBOLD, J. H. & G. B., 47 Watts St., New York 13, N. Y.
- SMITH, Francis X., 952 E. 93rd St., Brooklyn 12
- STANDARD Oil Co. of Ky., Louisville, Ky.
- TAYLOR-Gluem Co., Concord, N. H.
- TROJAN Products Co., 33 W. Jackson Blvd., Chicago 2, Ill.

WEBBING (See Belts, Belting and Tape)

WELDER, ELECTRIC

- GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
- WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

WIPERS, MOUTHPIECE AND SPACE BAND (See Composing Machines and Supplies)

WIPING CLOTHS

- CALLAWAY Mills, 295 Fifth Ave., New York 16
- SANITARY Wiping Cloth Co., 1800 Bayard St., Baltimore 30, Md.

WIRE

- 1 Spiral Binding
- 2 Stapling and Stitching
- 3 Threading & Looping (Tags)
- 1 2 3
- ACME Staple Co., 1643 Haddon Ave., Camden, N. J.
- 2
- AMERICAN Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio
- 1 2
- BOSTITCH, Westerly, R. I.
- CHICAGO Steel & Wire Company, 10257 Torrence Ave., Chicago 17, Ill.
- CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
- 2
- HELLER Co., The, 2135 Superior Ave., Cleveland 6
- 2
- ★JONES, James H., Co., 130 N. Clinton St., Chicago 6, Ill.
- ★LAWSON, E. P., & Co., 426 W. 33rd St., New York 2
- ★NEW Era Mfg. Co., Inc., 375 11th Ave., Paterson 4, N. J.
- 3
- PABICH, W. R., Mfg. Co., 2855-57 N. Rockwell St., Chicago 18, Ill.
- ★PRENTISS, Geo. W., & Co., 439 Dwight St., Holyoke, Mass.
- 1 2
- ★SENECA Wire & Mfg. Co., Fostoria, Ohio 2

1 2 3
SLOVES Mechanical Binding Co., 121 Varick St.,
New York 13, N. Y.

WOOD, CUT BLOCKING AND TINT BLOCKS

- 1 Cut Blocking
- 2 Die and Envelope-Cutting
- 3 Tint Blocks

1 2 3
AMERICAN Wood Type & Engraving Co., 270 Lafayette St., New York 12, N. Y.

1 2 3
APPLETON Wood Products Co., Douglas & Second Sts., Appleton, Wis.

2
★HAMILTON Mfg. Co., Two Rivers, Wis.

3
IRWIN Manufacturing Co., Garland 1, Pa.

1 3
LUDWIG-Duell Co., 30 Beekman St., New York 7, N. Y.

3
MARKEL Products Co., 100 Gold St., New York 7

SANDBERG Mfg. Co., 1949 W. Fulton St., Chicago 12, Ill.

1

1 2 3
THOMPSON Cabinet Co., Ludington, Michigan
1
WELLS Mfg. Co., 1700 S. Main St., South Bend, Ind.

WRAPPING MACHINES

ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.

BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.

MAXSON Automatic Mch. Co., 98 Granite St., Westerville, R. I.

PACKAGE Machinery Co., 132 Birnie Ave., Springfield, Mass.

PRINTING MACHINERY DEALERS

★ABRAMS, M. L., Co., 1639 Superior Ave., Cleveland 14, Ohio

ALLIED Printing & Binding Machinery Co., 3771 Chester Ave., Cleveland 14, Ohio

★AMERICAN Type Founders, 200 Elmora, Elizabeth B, N. J.

BARAGER, M. E., 6523 20th Ave., N. E. Seattle, Washington

BENSON, N. C., Company, 550 So. Clark St., Chicago, Ill.

BRINTNALL, Harry W., Co., 430 Howard St., San Francisco

CHICAGO Printers Machine Works, 609 W. Lake St., Chicago 6, Ill.

CONTINENTAL Printing Equipment Co., 633 Plymouth Court, Chicago 5, Ill.

CRAFTSMAN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.

CRESCENT Printers Supply, 69 E. Long St., Columbus 15, Ohio

DODSON Printers Supply Co., 231 Pryor St., S. W. Atlanta 3, Ga.

DORSEY'S Printers Supply Co., Inc., 125 Pontotoc, Memphis, Tenn.

ECONOMY Printers Products Co., 609 S. La Salle St., Chicago 5, Ill.

★FALCO Corp., 47-01 35th St., Long Island City, N. Y.

FULLER, E. C. Co., Inc., 28 Reade St., New York 7

GANE Brothers and Lane, Inc., 1335 W. Lake St., Chicago 7, Ill.

GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 E. 21st St., New York 10, N. Y.

GRIFFITHS, John, Co., Inc., 11 W. 42nd St., New York 17, N. Y.

HALE, Frank D., 64 Tonnele Ave., Jersey City, N. J.

HALL, Norman F., Co., 733 Santiago St., San Francisco, Calif.

HALL, Thomas W., Co., Inc., Sunnyside Ave., Stamford, Conn.

HARTNETT, R. W., Co., 1025 Cherry St., Philadelphia 7, Pa.

HEINRICH, Harold H., Inc., 200 Varick St., New York 14, N. Y.

HEUSLEIN, R. J., Co., 11 S. Meridian St., Indianapolis 4, Ind.

JOHNSON, C. I., Mfg. Co., 145 S. Wabasha St., St. Paul 1, Minn.

KEMP, Wm. M., Co., 420 Market St., San Francisco 11, Calif.

LAVERY, Chas., 69 E. Long St., Columbus 15, Ohio

★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.

MARSHALL Son & Wheelock, Inc., 82 Lincoln St., Boston 11, Mass.

MASON-Moore-Tracy, Inc., 28 E. Fourth St., New York 3, N. Y.

MIDWEST Printers Supply, Inc., 139 E. Third St., Cincinnati 2, Ohio

MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.

NORTHERN Machine Works, Marshall & Jefferson Sts., Philadelphia, Pa.

NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis 15, Minn.

★PAYNE & Craig Corp., 82 Beekman St., New York 7, N. Y.

PELOUZE Printers Supply Co., 304 A. B. C. Bldg., Richmond, Va.

PERFECTION Type, Inc., 141 E. Fifth St., St. Paul

PRINTERS Exchange, 705 S. Wells St., Chicago 7

PRINTERS Machinery Corp., 410 S. Clinton St., Chicago 7, Ill.

★RATHBUN & Bird Co., Inc., 375 W. Broadway, New York 12, N. Y.

RUESCH Company, 1932 E. Webster Place, Milwaukee 11, Wis.

RYAN E. G., & Co., 727 S. Dearborn St., Chicago 5

SHERIDAN, T. W. & C. B. Co., Inc., 135 Lafayette St., New York 13, N. Y.

★SHULMAN, Ben, 137 Gould St., Rochester, N. Y.

★SPERO, J., & Co., 349 W. Randolph St., Chicago 6

STANDARD Paper Box Machine Co., Inc., 133 Bleeker St., New York 12, N. Y.

STEWART, Don, Co., 441 Clay St., San Francisco 11

STOUT, Samuel C., Co., 343 S. Dearborn St., Chicago 4, Ill.

THORNTON, Seth, & Son., 606 Broadway, Kansas City, Mo.

★TOMPKINS Printing Equipment Co., 720 S. Clark St., Chicago 5, Ill.

★TOMPKINS Printing Equipment Co., 1040 W. Grand Blvd., Detroit 8, Mich.

TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio

★TYPE & Press of Illinois, 220 S. Jefferson St., Chicago 6, Ill.

★VAN DILLEN, Inc., 74 Beekman St., New York 7

WALKER, E. H., Supply Co., 140 Que St., N. E., Washington 2, D. C.

WESTERN Printing Machinery Co., 430 S. Green St., Chicago 7, Ill.

★WESTERN Newspaper Union, 621 S. 15th St., Omaha 1, Nebr.

INDEX TO PRINCIPAL PAPER LINES AND THE MANUFACTURERS

A

ANNOUNCEMENT

AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.

★BECKETT Paper Co., Hamilton, Ohio

CHAMPION Paper & Fibre Co., Hamilton, Ohio

IMPORT Paper Co., 701 W. Washington Blvd., Chicago 6, Ill.

KENT Paper Co., Inc., The, 159 Varick St., New York, N. Y.

LEADER Card Works, Inc., 916 S. Sixth St., Milwaukee 4, Wis.

LINWEAVE, 21 Cypress St., Springfield 2, Mass.

OTTEN Brothers Co., 7356 Richmond, Detroit 11, Mich.

RIEGL Paper Corp., 342 Madison Ave., New York 17, N. Y.

RISEING Paper Co., Park St., Housatonic, Mass.

★STRATHMORE Paper Co., West Springfield, Mass.

B

BIBLE PAPER

ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.

BRYANT Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.

CRANE & Co., Inc., 30 South St., Dalton, Mass.

CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

ECUSTA Paper Corp., Pisgah Forest, N. C.

FITCHBURG Paper Co., 642 River St., Fitchburg, Mass.

TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.

WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.

BLANKS, PLAIN AND COATED

ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.

BEVERIDGE Paper Co., 705 W. Washington St., Indianapolis, Ind.

BROWNVILLE Board Co., Brownville, N. Y.

CHAMPION Paper & Fibre Co., Hamilton, Ohio

★FALULAH Paper Co., Falulah Rd., Fitchburg, Mass.

FRANKLIN Paper Co., Third Level Canal, Holyoke, Mass.

LEWIS, J. P., Co., Beaver Falls, N. Y.

LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.

LOWE Paper Co., River St., Ridgefield, N. J.

MEAD Sales Co., The, 230 Park Ave., New York 17

WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.

1 No. 1 Grade

2 No. 2 Grade

3 No. 3 Grade

4 Embossed

5 Enameled

6 Fancy

7 Halfstone

8 Offset Pasted

1 2 3 4 5 6 7 8

ALBEMARLE Paper Mfg. Co., Richmond, Va.

1 2 3 4 5 6 7 8

CANTINE, Martin, Co., Saugerties 1, N. Y.

1 2 3 4 5 6 7 8

DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N. W., Washington 7, D. C.

1 2 3 4 5 6 7 8

HARDING-Jones Paper Co., Middletown, Ohio

1 2 3 4 5 6 7 8

MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.

PARKER, Joseph, & Son Co., 1155 Whalley Ave., New Haven 15, Conn.

1 2 3 4 5 6 7 8

ROCHESTER Paper Co., Rochester, Mich.

1 2 3 4 5 6 7 8

STANDARD Paper Mfg. Co., Richmond, Va.

1 2 3 4 5 6 7 8

WRENN Paper Co., Middletown, Ohio

1 2 3 4 5 6 7 8

BOARD

1 Binders

2 Box and Carton

3 Chip

4 Corrugated

- 5 Mat
- 6 Mounting
- 7 Poster
- 8 Press
- 9 Straw
- 10 Tag

1 2 3 4 5 6 7 8 9 10

APPLETON Coated Paper Co., Appleton, Wis.

10

BEVERIDGE Paper Co., Indianapolis 4, Ind.

6 7

CHAMPION Paper and Fibre Co., Hamilton, Ohio

8

COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.

6 10

★CONSOLIDATED Paper Co., Monroe, Mich.

1 2 3 4 5 6 7 8 9 10

CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.

★FALULAH Paper Co., Falulah Rd., Fitchburg, Mass.

6

HAMILTON, W. C., & Sons, Miquon, Pa.

6

LINTON Bros Co., 22 Rollstone St., Fitchburg, Mass.

10

LOW Paper Co., River St., Ridgefield, N. J.

1 2 3 4 5 6 7 8 9 10

MEAD Sales Co., The, 230 Park Ave., New York 17

1 2 3 4 5 6 7 8 9 10

MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio

10

MILLER Paper Co., 80 Wooster St., New York 12

5 7

OHIO Boxboard Co., Rittman, Ohio

1 2 3 4 5 6 7 8 9 10

PORT Huron Sulphite & Paper Co., Port Huron, Mich.

10

RIEGL Paper Corp., 342 Madison Ave., New York 17, N. Y.

2

SORG Paper Co., Middletown, Ohio

5 6 8 10

★WEST Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.

4

WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.

5 6

BOND PAPER, COATED, ONE SIDE

APPLETON Coated Paper Co., Appleton, Wis.
 CANTINE, Martin Co., Saugerties, N. Y.
 MIAMI Valley Coated Paper Co., Franklin, Ohio
 MICHIGAN Paper Co., Plainwell, Mich.
 STANDARD Paper Mfg. Co., Richmond, Va.

BOND AND LEDGER PAPERS

1 100% Rag Content
 2 75% Rag Content
 3 50% Rag Content
 4 25% Rag Content
 5 Manifold Onion Skin Tissue (Thin Paper)
 6 Sulphite
 7 Writings

1 2 3 4 5 6 7
 AETNA Paper Co., Dayton, Ohio
 1 2 3 4 5 6 7
 AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 1 2 3 4 5 6 7
 BADGER Paper Mills, Inc., Peshtigo, Wis.
 BARE, D. M., Paper Co., Roaring Springs, Pa.
 BRIGHTWATER Paper Co., 115 Howland Ave., Adams, Mass.
 1 2 3 4 5 6 7
 BROWN, L. L., Paper Co., Adams, Mass.
 1 2 3 4 5 6 7
 CANTINE, Martin Co., Saugerties 1, N. Y.
 CAREW Mfg. Co., Hadley Falls, Mass.
 1 2 3 4 5 6 7
 CHAMPION Paper & Fibre Co., Hamilton, Ohio
 CHEMICAL Paper Mfg. Co., Holyoke, Mass.
 COLLINS Mfg. Co., N. Wilbraham, Mass.
 1 2 3 4 5 6 7
 CRANE & Co., Inc., 30 South St., Dalton, Mass.
 1 2 3 4 5 6 7
 CROCKER-McElwain Co., Holyoke, Mass.
 1 2 3 4 5 6 7
 DETROIT Sulphite & Paper Co., Detroit, Mich.
 DEXTER, C. H., & Sons, Windsor Locks, Can.
 ★EASTERN Corporation, Bangor, Me.
 ECUSTA Paper Corp., Pisgah Forest, N. C.
 ESLEECK Mfg. Co., Turners Falls, Mass.
 FRASER Industries, Inc., 420 Lexington Ave., New York 17, N. Y.
 5 6 7
 FRENCH Paper Co., Niles, Mich.
 GILBERT Paper Co., Menasha, Wis.
 1 2 3 4 5 6 7
 GLATFELTER, P. H., Co., Spring Grove, Pa.
 GROVETON Papers, Inc., Groveton, N. H.
 HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.
 ★HAMMERMILL Paper Co., Erie, Pa.
 HARDING-Jones Paper Co., Excello, Ohio
 1 2 3 4 5 6 7
 HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 1 2 3 4 5 6 7
 ★HOWARD Paper Co., Urbana, Ohio
 INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N. Y.
 5 6
 KEITH Paper Co., Turners Falls, Mass.
 1 2 3 4 5 6 7
 LEE Paper Co., Vicksburg, Mich.
 1 2 3 4 5 6 7
 LINWEAVE, 21 Cypress St., Springfield, Mass.
 2 3 4 5 6 7
 MAXWELL Paper Co., Franklin, Ohio
 MEAD Sales Co., Inc., 230 Park Ave., New York 17
 MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
 MICHIGAN Paper Co., Plainwell, Mich.
 MILLERS Falls Paper Co., Millers Falls, Mass.
 2 3 4 5 6 7
 MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 6
 MONADNOCK Paper Mills, 1054 Park Sq. Bldg., Boston, Mass.
 6
 MUNISING Paper Co., 135 S. La Salle St., Chicago 3
 6
 NEENAH Paper Co., Neenah, Wis.
 1 2 3 4 5 6 7
 ★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
 6 7
 ★NORTHWEST Paper Co., Cloquet, Minn.
 6 7
 PAPER Corporation of America, 350 Fifth Avenue, New York 1, N. Y.
 6 7
 PARKER-Young Co., 131 State St., Boston 9, Mass.
 6
 PARSONS Paper Co., Holyoke, Mass.
 1 2 3 4 5 6 7
 PATERSON Parchment Paper Co., Bristol, Pa.
 5

1 2 3 4 5 6 7
 PORT Huron Sulphite & Paper Co., Port Huron, Mich.
 5
 RISING Paper Co., Park St., Housatonic, Mass.
 1 2 3 4 5 6 7
 RIVERSIDE Paper Corp., Appleton, Wis.
 SORG Paper Co., Middletown, Ohio
 2 3 4 5 6 7
 SOUTHWORTH Co., West Springfield, Mass.
 1 2 3 4 5 6 7
 STANDARD Paper Mfg. Co., Richmond, Va.
 6
 ★STRATHMORE Paper Co., West Springfield, Mass.
 1 2 3 4 5 6 7
 TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 6
 VALLEY Paper Co., Holyoke, Mass.
 1 2 3 4 5 6 7
 WARD Paper Co., Merrill, Wis.
 5 6
 WAUSAU Paper Mills Co., 111 W. Washington St., Chicago, Ill.
 6
 ★WESTON, Byron Co., Main St., Dalton, Mass.
 1 2 3 4 5 6 7
 WHITING, George A., Paper Co., Menasha, Wis.
 1 2 3 4 5 6 7
 WHITING Paper Co., Holyoke, Mass.
 1 2 3 4 5 6 7
 WHITING-Plover Paper Co., Stevens Point, Wis.
 1 2 3 4 5 6 7
 WORTHY Paper Co., West Springfield, Mass.
 1 2 3 4 5 6 7
 WYTEK Sales Co., Dayton, Ohio
 6

BOOK, COATED

1 Book, Coated, Machine
 2 Book, Coated, Offset
 3 Colored
 4 Dull Finish
 5 Gloss Ink
 6 No. 1 Grade
 7 No. 2 Grade, Folding
 8 No. 3 Grade
 9 No. 4 Grade
 10 Proofing, Coated one Side

1 2 3 4 5 6 7 8 9 10
 ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 2 3 4 5 6 7 8 9 10
 APPLETON Coated Paper Co., Appleton, Wis.
 2 3 4 5 6 7 8 9 10
 BRYANT Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 2 3 4 5 6 7 8 9 10
 CANTINE, Martin Co., Saugerties, N. Y.
 2 3 4 5 6 7 8 9 10
 CHAMPION Paper & Fibre Co., Hamilton, Ohio
 1 2 3 4 5 6 7 8 9 10
 COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 3
 ★CONSOLIDATED Water Power & Paper Co., Wisconsin Rapids, Wis.
 1
 CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 6 7 8 9 10
 DILL & Collins, Inc., 230 Park Ave., New York 17
 6 7 8 9 10
 KALAMAZOO Paper Co., Kalamazoo, Mich.
 6 7 8 9 10
 ★KIMBERLY-Clark Corp., Neenah, Wis.
 9
 MEAD Sales Co., Inc., 230 Park Ave., New York 17
 4 5 6 7 8 9 10
 MIAMI Valley Coated Paper Co., Franklin, Ohio
 2 3 4 5 6 7 8 9 10
 MICHIGAN Paper Co., Plainwell, Mich.
 6 7 8 9
 MILLER Paper Co., 80 Wooster St., New York 12
 ★OXFORD Paper Co., 230 Park Ave., New York 17
 1 2 3 4 5 6 7 8 9
 REX Paper Co., Kalamazoo, Mich.
 2 3 4 5 6 7 8 9
 SPRINGFIELD Coated Paper Co., 9th, Bailey & Erie Sts., Camden, N. J.
 2 3 4 5
 WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
 1 2 3 4 5 6 7 8 9 10
 WATERLIET Paper Co., Watervliet, Mich.
 2 3 4 5 6 7 8 9
 ★WEST Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 1 8

BOOK, UNCOATED

1 A Grade
 2 B Grade
 3 C Grade
 4 D Grade
 5 Antique
 6 Coated
 7 Eggshell
 8 English Finish
 9 Machine Finish
 10 Mimeograph
 11 Offset
 12 Rotogravure
 13 Super Calendered
 14 Text, Deckle Edge
 15 Text, Plain Edge
 16 Vellum, Weddings

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16
 ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 1 2 3 4 5 6 7 8 9 10 11
 AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 1 13
 BARE, D. M., Paper Co., Roaring Springs, Pa.
 1 14 15 16
 7 8 10 11
 ★BECKETT Paper Co., Hamilton, Ohio
 13
 BERGSTROM Paper Co., Neenah, Wis.
 1 2 3 4 5 6 7 8 9 10 11
 BRYANT Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16
 CHAMPION Paper & Fibre Co., Hamilton, Ohio
 1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15
 CHEMICAL Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 6
 ★CHILlicothe Paper Co., Chillicothe, Ohio
 1 2 3 4 5 6 7 8 9 10 11
 13
 CRANE & Co., Inc., 30 South St., Dalton, Mass.
 14 15 16
 CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 1 2 3 4 5 6 7 8 9 10 11
 13 14 15
 DILL & Collins, Inc., 230 Park Ave., New York 17
 1 2 3 4 5 6 7 8 9
 14 15
 ★EASTERN Corporation, Bangor, Me.
 16
 EVERETT Pulp & Paper Co., Everett, Wash.
 1 2 3 4 5 6 7 8 9 10 11
 FITCHBURG Paper Co., 642 River St., Fitchburg, Mass.
 1 2 3 4 5 6 7 8 9 10 11
 13
 ★FOX River Paper Corp., Appleton, Wis.
 16
 FRENCH Paper Co., Niles, Mich.
 12
 GLATFELTER, P. H., Co., Spring Grove, Pa.
 1 2 3 4 5 6 7 8 9 10 11
 HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.
 10 11
 14 15 16
 ★HAMMERMILL Paper Co., Erie, Pa.
 11
 HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 14 15 16
 HOPPER Paper Co., Taylorville, Ill.
 11
 ★HOWARD Paper Co., Urbana, Ohio
 10
 ★INTERNATIONAL Paper Co., 220 E. 42d St., New York 17, N. Y.
 1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15
 JESSUP & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
 1 2 3 4 5 6 7
 12
 KALAMAZOO Paper Co., Kalamazoo, Mich.
 3
 KEITH Paper Co., Turners Falls, Mass.
 14 15 16
 LINWEAVE, 21 Cypress St., Springfield 2, Mass.
 14 15 16
 MAXWELL Paper Company, Franklin, Ohio
 10 11
 12
 MEAD Sales Co., Inc., 230 Park Ave., New York 17
 1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15
 MIAMI Valley Coated Paper Co., Franklin, Ohio
 6
 MICHIGAN Paper Company, Plainwell, Mich.
 1 2 3 4 5 6 7 8 9
 13
 MINNESOTA & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6, Ill.
 2 3 4 5 6 7 8 9
 MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 14 15 16
 NEW YORK & Pennsylvania Co., Lock Haven, Pa.
 1 2 3 4 5 6 7 8 9 10 11
 13
 ★NORTHWEST Paper Company, Cloquet, Minn.
 1 2 3 4 5 6 7 8 9 10 11
 13
 ★OXFORD Paper Co., 230 Park Ave., New York 17
 1 2 3 4 5 6 7 8 9 10 11
 12 13
 PAPER Corporation of America, 350 Fifth Avenue, New York 1, N. Y.
 2 3 4 5 6 7 8 9 10 11
 PENINSULAR Paper Co., Ypsilanti, Mich.
 6
 14 15
 REX Paper Company, Kalamazoo, Mich.
 11
 RISING Paper Company, Housatonic, Mass.
 11
 16
 SORG Paper Company, Middletown, Ohio
 10 11

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16
STANDARD Paper Mfg. Co., Richmond, Va.
12
★STRATHMORE Paper Company, West Springfield, Mass.
14 15 16
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
1 2 4 5 8 9 11
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
1 2 3 4 5 7 8 11
WATERVLIET Paper Co., Watervliet, Mich.
12 13
WAUSAU Paper Mills, 111 W. Washington St., Chicago, Ill.
11
★WEST VIRGINIA Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
1 2 5 7 8 9 10 11
12 13
WHITING, George A., Paper Co., Menasha, Wis.
WHITING Paper Company, Holyoke, Mass.
12 14 15 16
WORTHY Paper Company, West Springfield, Mass.
14

BRISTOLS

1 Coated Bristols and Post Card
2 Index, 100% Rag Content
3 Index, 50% Rag Content
4 Index, 25% Rag Content
5 Index, Sulphite and Bleached Sulphate
6 Wedding
7 Railroad
8 Tough Check
1 2 3 4 5 6 7 8
ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
1 5
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
3 5 6
APPLETON Coated Paper Co., Appleton, Wis.
BEVERIDGE Paper Co., 717 W. Washington, Indianapolis 4, Ind.
7 8
BROWN, L. L., Paper Co., Adams, Mass.
2 3
CANTINE, Martin, Co., Saugerties 1, N. Y.
1 5
CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
5
CHAMPION Paper & Fibre Co., Hamilton, Ohio
1
CHEMICAL Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
5
COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
1 8
COLLINS Mfg. Co., North Wilbraham, Mass.
2 3 4
CRANE & Co., Inc., 30 South St., Dalton, Mass.
2 6
CROCKER-McElwain Co., Holyoke, Mass.
3 4
DETROIT Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.
5
DILL & Collins, Inc., 230 Park Ave., New York 17
★FOX RIVER Paper Corp., Appleton, Wis.
FRANKLIN Paper Co., Third Level Canal, Holyoke, Mass.
5
GILBERT Paper Co., Menasha, Wis.
2 3 4
★HAMMERMILL Paper Co., Erie, Pa.
HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
3 6
HOLLINGSWORTH & Vose Co., 112 Washington St., East Walpole 1, Mass.
5
HOPPER Paper Co., Taylorville, Ill.
★INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N. Y.
5
LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
4 5
LINWEAVE, 21 Cypress St., Springfield 2, Mass.
MARVELLUM Co., Appleton St., Holyoke, Mass.
1
MEAD Sales Co., 230 Park Ave., New York 17, N. Y.
1
MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
5
NEENAH Paper Co., Neenah, Wis.
4
★NORTHWEST Paper Co., Cloquet, Minn.
5
PARSONS Paper Co., Holyoke, Mass.
2 3 4
PENINSULAR Paper Co., Ypsilanti, Mich.
5
PERFECT Safety Paper Co., 102 Winter St., Holyoke, Mass.
5

1 2 3 4 5 6 7 8
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
5
RIEGLER Paper Corp., 342 Madison Ave., New York 17, N. Y.
5
RISING Paper Co., Park St., Housatonic, Mass.
2
SORG Paper Co., Middletown, Ohio
2 3 4 5
STANDARD Paper Mfg. Co., Richmond, Va.
★STRATHMORE Paper Co., West Springfield, Mass.
5 6
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
5
VALLEY Paper Co., Holyoke, Mass.
3
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
5
WATERVLIET Paper Co., Watervliet, Mich.
1
★WEST VIRGINIA Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
5
★WESTON, Byron, Company, Main St., Dalton, Massachusetts
2 3
WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.
5
WHITING Paper Co., Holyoke, Mass.
2 3 4

**CARBON PAPER**

AMERICAN Register Co., 565 W. Washington St., Chicago 6, Ill.
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
FRYE Mfg. Co., 301 University Ave., Des Moines 4, Iowa
GENERAL Manifold & Printing Company, Franklin, Pennsylvania
★HANO Philip Co., Inc., 85 Sargent St., Holyoke, Mass.
KEE Lox Mfg. Co., Rochester, N. Y.
MITTAG & Volger, Inc., Park Ridge, N. J.
PEERLESS Key-Imperial Mfg. Co., 401 Mulberry St., Newark, N. J.
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
REMINGTON Rand, Inc., 205 E. 42nd St., New York
STAFFORD, S. S., 609 Washington St., New York
STORMS, H. M., Co., 561 Grand St., Brooklyn, N. Y.
UNDERWOOD Corp., 1 Park Ave., New York 16, N. Y.

CELLOPHANE

1 Bags
2 Cord
3 Envelopes
4 Ribbon
5 Twine
1 2 3 4 5
DOBECKMUN Co., 3301 Monroe Ave., Cleveland, Ohio
1 2 3 4 5
★UNITED States Envelope Co., 21 Cypress St., Springfield 2, Mass.
3

CLOTH-LINED PAPER

★GUMMED Products Co., The, S. Union & West St., Troy, Ohio
HOLLISTON Mills, Inc., The, Lenox St., Norwood, Mass.
McLAURIN-Jones Co., 744 Phillip Ave., Brookfield, Mass.
MID-States Gummed Paper Co., 2513 S. Damen Ave., Chicago 8, Ill.
UNITED Mfg. Co., 168 Birnie Ave., Springfield, Mass.

COVER PAPERS

1 Acetate Film Surface
2 Coated
3 Decorative
4 Duplex
5 Embossed Finish
6 Pyroxylin Coated
7 Rag Content
8 Sulphite
9 Velour One Side
1 2 3 4 5 6 7 8 9
ALBEMARLE Paper Mfg. Co., Richmond, Va.
ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
APPLETON Coated Paper Co., Appleton, Wis.
★BECKETT Paper Co., Hamilton, Ohio
5 7 8

1 2 3 4 5 6 7 8 9
BEVERIDGE Paper Co., Indianapolis, Ind.
BRYANT Paper Co., Kalamazoo, Mich.
2
CANTINE, Martin, Co., Saugerties 1, N. Y.
2
CAREW Mfg. Co., Hadley Falls, Mass.
CELLUSEDE Products, Inc., 2107 Kishwaukee St., Rockford, Ill.
CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
CHAMPION Paper & Fibre Co., Hamilton, Ohio
2 3 5 8
CHEMICAL Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
5 7 8
COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
2 3 4 5
DENNISON Mfg. Co., Framingham, Mass.
★DETROIT Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.
5 8
DILL & Collins, Inc., 230 Park Ave., New York 17
2
DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N. W., Washington 7, D. C.
3 7 8 9
DOBECKMUN Co., 3301 Monroe Ave., Cleveland 13
★EASTERN Corp., Bangor, Me.
8
★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
1
GILBERT Paper Co., Menasha, Wis.
★HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.
7 8
★HAMMERMILL Paper Co., Erie, Pa.
1 5 8
HAMPDEN Glazed Paper & Card Co., Holyoke, Mass.
3
★HOLYOKE Card & Paper Co., Fiske Ave., Springfield 7, Mass.
3 5
HURLBURT Paper Co., South Lee, Mass.
KNOWLTON Brothers, 213 Factory St., Watertown, N. Y.
7
LEE Paper Co., Vicksburg, Mich.
8
LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
5
LINWEAVE, 21 Cypress St., Springfield 2, Mass.
7 8
MARVELLUM Co., Appleton St., Holyoke, Mass.
2 3 4 5
McLAURIN Jones Co., 744 Phillip Ave., Brookfield, Mass.
MEAD Sales Co., 230 Park Ave., New York 17, N. Y.
2 3 5 8
MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
6
MILLER Paper Co., 80 Wooster St., New York 12
6
MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
8
NEW York & Pennsylvania Co., Lock Haven, Pa.
★OXFORD Paper Co., 230 Park Ave., New York 17
2
PAPER Corp. of America, 350 Fifth Ave., New York 1, N. Y.
8
PENINSULAR Paper Co., Ypsilanti, Mich.
8
PLASTIC Coating Corp., Holyoke, Mass.
6
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
5
REX Paper Co., Kalamazoo, Mich.
2
RIEGLER Paper Corp., 342 Madison Ave., New York 17, N. Y.
3 5
SORG Paper Co., Middletown, Ohio
1 3 4 5 7 8
SPRINGFIELD Coated Paper Corp., Camden, N. J.
2 3 4 5 6
STANDARD Paper Mfg. Co., Richmond, Va.
8
★STRATHMORE Paper Co., West Springfield, Mass.
7
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
8
UNITED Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
5
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
2
WATERVLIET Paper Co., Watervliet, Mich.
2
WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.
3 4 5 8
WHITING, George A., Paper Co., Menasha, Wis.
8
WORTHY Paper Co., West Springfield, Mass.
7
WYOMISSING Glazed Paper Co., Reading, Pa.
2 3 5

D

DECALCOMANIA

DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
NASHUA Gummed & Coated Papers, 44 Franklin St., Nashua, N. H.

DIE WIPERS

CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.

DUPLICATOR

1 Master Copy
2 Rag Content
3 Sulphite
1 2 3
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
3
APPLETON Coated Paper Co., Appleton, Wis.
1 3
BADGER Paper Mills, Inc., Peshtigo, Wis.
3
BRYANT Paper Co., 2030 Potomac St., Kalamazoo, 29F, Mich.
3
DITTO, Inc., 2243 W. Harrison St., Chicago 12, Ill.
1 2 3
★EASTERN Corporation, Bangor, Me.
3
GLATFELTER, P. H., Co., Spring Grove, Pa.
3
★HAMMERMILL Paper Co., Erie, Pa.
1 3
★INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N. Y.
3
MEAD Sales Co., 230 Park Ave., New York 17, N. Y.
3
MIAMI Valley Coated Paper Co., Franklin, Ohio
1 3
MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
3
MUNISING Paper Co., 135 S. LaSalle St., Chicago 3
3
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
1 3
PAPER Corp. of America, 350 Fifth Ave., New York 1, N. Y.
3
SORG Paper Co., Middletown, Ohio
3
STANDARD Duplicating Machines Corp., 1935 Revere Parkway, Everett 39, Mass.
1 3
★WESTON, Byron, Co., Main St., Dalton, Mass.
2

E

ENVELOPE MANUFACTURERS

AMERICAN Envelope Co., Inc., West Carrollton, Ohio
AMES Safety Envelope Co., Somerville, Mass.
BOURKE-Rice Envelope Co., 520 S. Clinton St., Chicago, Ill.
CUPPLES-Hease Corp., 4175 Kingshighway Blvd., St. Louis, Mo.
CURTIS 1000, Inc., St. Paul, Minn.
★DAYTON Envelope Co., Dayton, Ohio
GAW-O'Hara Envelope Co., 500 N. Sacramento Blvd., Chicago, Ill.
★HAMMERMILL Paper Co., Erie, Pa.
KARROLTON Envelope Co., 1521 W. Harrison St., Chicago, Ill.
KENT Paper Co., 159 Varick St., New York, N. Y.
★NORTHERN States Envelope Co., Inc., 300 E. Fourth St., St. Paul 1, Minn.
OLD Colony Envelope Co., Westfield, Mass.
OUTLOOK Envelope Co., 1001 W. Washington Blvd., Chicago, Ill.
★UNITED States Envelope Co., 21 Cypress St., Springfield, Mass.
WESTERN States Envelope Co., 1616 W. Pierce St., Milwaukee 4, Wis.
WHITING Paper Co., Holyoke, Mass.

F

FIRE ALARM PAPER ROLLS FLAMEPROOF

CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
SORG Paper Co., Middletown, Ohio

G

GLASSINE, PAPER (PLAIN AND EMBOSSED)

DANIELS Mfg. Co., Rhineland, Wis.
DEERFIELD Glassine Co., Monroe Bridge, Mass.
GLASSINE Paper Co., Conshohocken, Pa.
RIEDEL Paper Corp., 342 Madison Ave., New York 17, N. Y.
WESTFIELD River Paper Co., Inc., Russell, Mass.

GREETING CARD

(See Under Book, Uncoated)

GUMMED CLOTH TAPE, GUMMED HOLLANDS, GUMMED LABEL

★BROWN-Bridge Mills, Inc., Troy, Ohio
CHICAGO Gum Tape Co., 855 W. Adams St., Chicago 7, Ill.
DENNISON Mfg. Co., 300 Poward St., Framingham, Mass.
★GUMMED Products Co., S. Union St., Troy, Ohio
GUMMED Tape & Devices Co., 1318-20 60th St., Brooklyn 19, N. Y.
McLAURIN Jones Co., 744 Philip Ave., Brookfield, Mass.
MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
NASHUA Gummed & Coated Papers, 44 Franklin St., Nashua, N. H.
PAPER Manufacturers Co., Fifth & Willow Sts., Philadelphia 23, Pa.
SCOTT Industries, Assn D., 1028 East 63rd Street, Chicago 37, Ill.

GUMMED OFFSET

★BROWN-Bridge Mills, Inc., Troy, Ohio
DENNISON Mfg. Co., Framingham, Mass.
McLAURIN-Jones Co., 744 Philip Ave., Brookfield, Mass.
MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
PAPER Manufacturers Co., 5th & Willow Sts., Philadelphia 23, Pa.

H

HEAT SEAL LABEL

★BROWN-Bridge Mills, Inc., Troy, Ohio
PAPER Manufacturers Co., 5th & Willow Sts., Philadelphia 23, Pa.

L

LEDGERS (See Bonds and Ledgers)

M

MANIFOLDS AND ONION SKINS (THIN PAPER) (See Bonds and Ledgers)

MANILLA (See Book, Uncoated)

METALLIC (FOIL)

ALUMINUM Co. of America, Pittsburgh, Pa.
DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N. W., Washington 7, D. C.
HAMPDEN Glazed Paper & Card Co., Holyoke, Mass.
JOHNSTON Tin Foil & Metal Co., The, St. Louis
MARVELLUM Co., The, Holyoke, Mass.
MILLER Paper Co., 80 Wooster St., New York 12
NASHUA Gummed & Coated Paper Co., 44 Franklin St., Nashua, N. H.
REYNOLDS Metals Co., Richmond, Va.
WYOMISSING Glazed Paper Co., Reading, Pa.

MIMEOGRAPH

(See Bond and Ledgers)

N

NEWSPRINT

★INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N. Y.

O

OPAQUE

★AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
AETNA Paper Co., Dayton, Ohio
★BECKETT Paper Co., Hamilton, Ohio
BRYANT Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
★CHILLICOTHE Paper Co., Chillicothe, Ohio
★EASTERN Corporation, Bangor, Me.
★FOX River Paper Corp., Appleton, Wis.
HAMILTON, W. C., & Sons, Miquon, Pa.
★HAMMERMILL Paper Co., Erie, Pa.
HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
★INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N. Y.
MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
STANDARD Paper Mfg. Co., Richmond, Va.

OPAQUE BONDS

★AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
CROCKER-McElwain Co., Holyoke, Mass.
★FOX River Paper Corp., 401 S. Appleton St., Appleton, Wis.
FRASER Industries, Inc., 420 Lexington Ave., New York 17, N. Y.
GILBERT Paper Co., Menasha, Wis.
HAMILTON, W. C., & Sons, Miquon, Pa.
HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
MILLERS Falls Paper Co., Mill Rd., Millers Falls, Mass.
NEENAH Paper Company, Neenah, Wis.
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
PAPER Corporation of America, 350 Fifth Avenue, New York 1, N. Y.
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
RISING Paper Company, Park St., Housatonic, Mass.
★STRATHMORE Paper Co., West Springfield, Mass.
VALLEY Paper Co., Holyoke, Mass.
WHITING-Plover Paper Co., Stevens Point, Wis.

P

PARCHMENT

PATERSON Parchment Paper Co., Bristol, Pa.
★STRATHMORE Paper Co., West Springfield, Mass.
WEST Carrollton Parchment Co., West Carrollton, Ohio

PARCHMENT, ARTIFICIAL (DIPLOMA)

CRANE & Co., Dalton, Mass.
★STRATHMORE Paper Co., West Springfield, Mass.

PHOTO MOUNT (See Board)

POST CARD (See Bristols)

PROOFING (See Coated Book)

R

ROTOGRAVURE

(See Book, Uncoated)

S

SAFETY (CHECK, BANK NOTE)

CAREW Mfg. Co., South Hadley Falls, Mass.
CRANE & Co., Dalton, Mass.
GILBERT Paper Co., Menasha, Wis.
GURNEY Security Paper Co., 66 Front St., Brooklyn 1, N. Y.
★HAMMERMILL Paper Co., Erie, Pa.
LAMONTE, George, & Son, Nutley 10, N. J.
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
PERFECT Safety Paper Co., 102 Winter St., Holyoke, Mass.

T**TAG BOARD (See Board)****TYMPAN (DRAWSHEET)**

CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 CORCPAK Co., 45 South St., Mt. Vernon, N. Y.
 ★CROMWELL Paper Co., 4801 S. Whipple St., Chicago 32, Ill.
 ★DETROIT Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 7, Mich.
 HOLLINGSWORTH & Vose Co., 112 Washington St., East Walpole 1, Mass.

HOLLINGSWORTH & Whitney Co., 60 Battery-march St., Boston 2, Mass.
 RIEGEL Paper Corp., 342 Madison Ave., New York 17, N. Y.

U**UNION WATERMARKED**

★CONSOLIDATED Water Power & Paper Co., Wisconsin Rapids, Wis.
 HOPPER Paper Co., Taylorville, Ill.
 ★INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N. Y.
 MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.

V**VELLUM, WEDDINGS (See Book, Uncoated)****W****WRITINGS (See Bond and Ledger)****INDEX TO POPULAR BRAND NAMES****A**

ACADEMY (Bond)—Valley Paper Co., Holyoke, Mass.
 ACCEPTANCE (Bond, Ledger, Bristol)—American Writing Paper Co., Holyoke, Mass.
 ACCOUNTANTS (Ledger)—Linton Bros. Co., Fitchburg, Mass.
 ACTION (Bond, Ledger)—Crocker-McElwain Co., Holyoke, Mass.
 ★ADENA (Book)—Chillicothe Paper Co., Chillicothe, Ohio
 ★ADIRONDACK (Bond, Ledger)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.
 ADVANCE (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
 ADVERTISERS (Bond)—Watervliet Paper Co., Watervliet, Mich.
 ADVOCATE (Bond, Ledger)—Brightwater Paper Co., Adams, Mass.
 AGAWAN (Bond, Bristol, Onion Skin)—American Writing Paper Corp., Holyoke, Mass.
 AIRWEIGHT (Onion Skin)—Ward Paper Co., Merrill, Wis.
 ALBEMARLE (Blotting, Cover)—Albemarle Paper Co., Richmond, Va.
 ALBION (Book)—American Writing Paper Corp., Holyoke, Mass.
 ★ALEXANDRA (Bond)—Strathmore Paper Co., West Springfield, Mass.
 ★ALEXIS (Drawing Paper)—Strathmore Paper Co., West Springfield, Mass.
 ALL AMERICAN (Bond)—Harding-Jones Paper Co., Middletown, Ohio
 AMERICAN (Book, Cover, Text)—American Writing Paper Corp., Holyoke, Mass.
 ANCHOR (Safety)—George LaMonte & Son, Holyoke, Mass.
 ANDORA (over, Text)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
 ANGLO-SAXON (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 ANGORA (Wedding)—Whiting Paper Co., Holyoke, Mass.
 ★ANNIVERSARY (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.
 APPLETON (Book, Litho)—Appleton Coated Paper Co., Appleton, Wis.
 APPRAISAL (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
 ★AQUASET (Book)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.
 AQUASTRONG (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 ★ARDOR (Bond, Ledger, Duplicate, Mimeograph)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
 ★ARIEL (Bond, Cover)—Champion Paper & Fibre Co., Hamilton, Ohio
 ART (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 ARTESIAN (Bond, Ledger)—Whiting-Plover Paper Co., Stevens Point, Wis.
 ASHBY (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 ATHOS (Cover)—United Manufacturing Co., 168 Birnie Ave., Springfield 7, Mass.
 ★ATLANTIC (Bond, Cover, Duplicate, Ledger, Mimeograph, Onion Skin)—Eastern Corporation, Bangor, Me.
 AUDUBON (Cover, Text)—Hurlbut Paper Co., South Lee, Mass.
 AURELIAN (Text)—Worthy Paper Co., West Springfield, Mass.

B

BADGER (Bond)—Badger Paper Mills, Inc., Peshigo, Wis.
 BANKERS (Safety)—George LaMonte & Son, Nutley 10, N. J.
 BANKERS (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
 BANTAM (Onion Skin)—Chemical Paper Mfg. Co., Holyoke, Mass.
 BASKET WEAVE (Safety)—George LaMonte & Son, Nutley 10, N. J.
 BASKET WEAVE (Blotting)—The Wrenn Paper Co., Middletown, Ohio

BAYFIELD (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 ★BAY PATH (Bond)—Strathmore Paper Co., West Springfield, Mass.
 ★BEAU BRILLIANT (Bond)—Strathmore Paper Co., West Springfield, Mass.
 ★BECKETT (Announcement, Book, Cover)—Beckett Paper Co., Hamilton, Ohio
 ★BEES WING (Onion Skin)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.
 BENEFIT (Bristol)—Chemical Paper Mfg. Co., Holyoke, Mass.
 BETA (Bristol)—Franklin Paper Co., Holyoke, Mass.
 BIBLIOPAKE (Bible)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 BLACK & WHITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 BLACKSTONE (Book)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 ★BLACKSTONE (Bond)—Byron Weston Paper Co., Dalton, Mass.
 BLANCA (Litho)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 BLUEBIRD (Blotting)—The Wrenn Paper Co., Middletown, Ohio
 BLUE STAR (Gummed Tape)—McLaurin-Jones Co., 744 Philip Ave., Brookfield, Mass.
 ★BLUE-KORE TREAD (Gummed Tape)—Gummed Products Co., S. Union St., Troy, Ohio
 ★BOOKCRAFT (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 BORDER (Bond, Onion Skin)—Fraser Industries, Inc., 420 Lexington Ave., New York 17, N. Y.
 B. P. F. (Book, Post Card)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 BRENTWOOD (Announcement, Wedding Bristol, Cut Cards, Envelope, Wedding)—Linweave, 21 Cypress St., Springfield 2, Mass.
 BREWSTER (Wedding)—Crocker-McElwain Co., Holyoke, Mass.
 BRIDAL WHITE (Wedding)—Keith Paper Co., Turners Falls, Mass.
 BRIGHTWATER (Bond, Ledger)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.
 ★BRIGHTWOOD (Box Covering, Bristol, Showcard)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
 BRILLIANTONE (Book, Litho)—The Miami Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
 BRITENUE (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 BRITENESS (Bond, Book, Bristol, Onion Skin)—North American Pulp & Paper Co., Cheboygan, Mich.
 BRITISH (Book)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 BROKAW (Offset)—Wausau Paper Mills, 111 W. Washington St., Chicago 2, Ill.
 ★BROTHERHOOD (Union) (Bond, Book, Ledger, Union Watermarked)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.
 BROWN'S FINE (Ledger)—L. L. Brown Paper Co., Adams, Mass.
 BROWN'S LINEN (Ledger)—L. L. Brown Paper Co., Adams, Mass.
 BRYANT (Envelope, Rotogravure & Gravure, Mimeograph, Onion Skin)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 BRYANTFEER (Book, Box Linings)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 BRYANTIQUE (Book)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 BRYCOAT (Book)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 BRYFOLD (Book, Cover)—Bryant Paper Co., Kalamazoo 29F, Mich.
 BRYTONE (Book, Litho)—Bryant Paper Co., Kalamazoo 29F, Mich.
 ★BUCKEYE (Cover, Text)—Beckett Paper Co., Hamilton, Ohio
 BUCKHIDE (Manila, and other Tag)—Sorg Paper Co., Middletown, Ohio
 BUSINESS (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.

C

CAMBRAI (Bond)—Keith Paper Co., Turners Falls, Mass.

CANFOLD (Cover)—Martin Cantine Co., Saugerties 1, N. Y.
 CANTERBURY (Cover, Text)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 CANTINE'S (Bond, Cover)—Martin Cantine Co., Saugerties 1, N. Y.
 CAREW FOUR STAR (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
 ★CARLON (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
 ★CARLTON (Bond, Duplicate, Ledger)—The Northwest Paper Co., Cloquet, Minn.
 CASCADE (Book)—Watervliet Paper Co., Watervliet, Mich.
 CASHIERS (Safety)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.
 CASLON (Bond)—Munsing Paper Co., 135 S. LaSalle St., Chicago 3, Ill.
 CATSKILL (Book, Litho)—Martin Cantine Co., Saugerties 1, N. Y.
 CAVALIER (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
 CECIL (Book)—Jessup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
 CELLUGLOSS (Book, Box Coverings, Litho, Proofing)—Bryant Paper Co., Kalamazoo 29F, Mich.
 CELLUSUEDE (Cover)—Cellusuede Products, Inc., 2107 Kishwaukee St., Rockford, Ill.
 ★CENTENNIAL (Ledger)—Byron Weston Co., Main St., Dalton, Mass.
 CENTRALINE (Bristol, Cover, Kraft, Ledger, Manila, Poster Print, Onion Skin, Towels, Tympan, Waterproof, Waxed)—Central Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 CENTURION PARCHMENT (Bond)—Keith Paper Co., Turners Falls, Mass.
 CERTIFICATE (Bond, Book, Bristol, Ledger, Post Card)—Crocker-McElwain Co., Holyoke, Mass.
 CERTIFINE (Tympan)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 ★CERULEAN (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
 CHALFONTE (Wedding)—Keith Paper Co., Turners Falls, Mass.
 CHAMELEON (Cover)—Springfield Coated Paper Corp., Camden, N. J.
 ★CHAMOIS (Text)—Chillicothe Paper Co., Chillicothe, Ohio
 ★CHATEAU (Announcement, Bristol, Cut Cards, Envelope, Wedding)—Linweave, 21 Cypress St., Springfield 2, Mass.
 CHEMCO (Bristol)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 CHESTER (Wedding)—American Writing Paper Corp., Holyoke, Mass.
 ★CHESTERLYN (Wedding)—Strathmore Paper Co., West Springfield, Mass.
 CHIEFTAN (Bond)—Neenah Paper Co., Neenah, Wis.
 CLARION (Book, Cover, Litho, Rotogravure and Gravure)—New York & Pennsylvania Co., Lock Haven, Pa.
 CLEARCOPY (Onion Skin)—Ehleck Mfg. Co., Turners Falls, Mass.
 CLYDESDALE (Bond)—Keith Paper Co., Turners Falls, Mass.
 COLD SPRINGS (Bond, Ledger, Onion Skin)—Whiting-Plover Paper Co., Stevens Point, Wis.
 COLDSTREAM (Writing)—Linweave, 21 Cypress St., Springfield 2, Mass.
 COLORED NATIONAL (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 COLORFOLD (Cover)—Martin Cantine Co., Saugerties 1, N. Y.
 ★COLORKOTE (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
 ★COLUMBIAN (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
 COMET (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 ★COMMERCIAL (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 COMMERCIAL (Blotting)—Joseph Parker & Son Co., 1155 Whaley Ave., New Haven 15, Conn.
 CONTRA (Onion Skin)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 CONTRACT (Bond, Cover, Ledger, Onion Skin)—American Writing Paper Corp., Holyoke, Mass.
 COPYDEX (Duplicate)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.

COPYRITE (Second Sheets)—Badger Paper Mills, Inc., Peshtigo, Wis.
 ★CORDOVA (Bristol, Cover)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17
 CORONA (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 ★CORDWAIN (Cover)—Champion Paper & Fibre Co., Hamilton, Ohio
 CORONET (Cover, Text)—Worthy Paper Co., West Springfield, Mass.
 CORRECT (Bond)—Aetna Paper Co., Dayton, Ohio
 COSMOS (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
 COUPON (Bond)—American Writing Paper Corp., Holyoke, Mass.
 COURT (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
 CRAFTSMEN (Mimeograph)—Standard Paper Mfg. Co., Richmond, Va.
 CRANE'S (Bible, Bond)—Crane & Co., Inc., 30 South St., Dalton, Mass.
 CREST (Ledger)—Parsons Paper Co., Holyoke, Mass.
 CROBANK (Book, Litho)—Crocker, Burbank Papers, Inc., 545 Westminister St., Fitchburg, Mass.
 ★CROMWELL (Tyman)—Cromwell Paper Co., 4801 S. Whipple St., Chicago 32, Ill.
 CUMBERLAND (Book, Bristol, Cover)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 CURL-CURL (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
 CURRENCY (Cover)—Appleton Coated Paper Co., Appleton, Wis.
 CURRENCY (Ledger)—Whiting Paper Co., Holyoke, Mass.
 CUSTOM (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 CZAR (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.

DACLAN (Text)—Worthy Paper Co., West Springfield, Mass.
 DAILY SALES (Book, Bristol, Cover, Onion Skin)—Chemical Paper Mfg. Co., Holyoke, Mass.
 D'ARTAGNAN (Cover)—United Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
 DARTFORD (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 DE & SE TINTS (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 DECOFOLD (Book)—Crocker, Burbank Papers, Inc., 545 Westminister St., Fitchburg, Mass.
 ★DEEPLAKE (Bristol, Duplicator, Ledger, Mimeograph, Post Card, Writing)—Hammermill Paper Co., Erie, Pa.
 DEFENDUM (Ledger)—Parsons Paper Co., Holyoke, Mass.
 ★DELIANCE (Ledger, Bond, Bristol)—Byron Weston Co., Main St., Dalton, Mass.
 DEJONGE (Litho)—Crocker, Burbank Papers, Inc., 545 Westminister St., Fitchburg, Mass.
 DELIBE (Bond, Onion Skin)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.
 DENSOR FIFTY (Bond)—Valley Paper Co., Holyoke, Mass.
 DENSOR 25 (Bond, Onion Skin)—Valley Paper Co., Holyoke, Mass.
 DEPENDABLE (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 DEPENDENCE (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
 DE SOTO (Book, Litho)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 ★DETROIT (Cover, Tyman)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17
 ★DICTATION (Bond, Ledger, Onion Skin)—Fox River Paper Corp., Appleton, Wis.
 DILCOL (Book, Bristol, Cover)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 DILFOLD (Book, Cover)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 DIRECT PROCESS (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 DISCO (Blotting, Box Covering, Cover)—District of Columbia Paper Mills, Inc., Potomac & K Sts., N. W., Washington 7, D. C.
 DOCUMENT (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 DORCHESTER (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 DOUBLETONE (Cover)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 DREADNAUGHT (Bond, Bristol, Ledger)—Gilbert Paper Co., Menasha, Wis.
 DREXEL (Announcement, Bristol, Cut Cards, Envelope, Wedding)—Lineweave, 21 Cypress St., Springfield 2, Mass.
 DRUMHEAD (Tyman)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 ★DUALITE (Second Sheets)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
 DULBRITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 ★DULLOFOLD (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
 DUNDEE (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 DUO—Martin Cantine Co., Saugerties 1, N. Y.
 DUOPAQUE (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 DUORUN (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 DUPELEXKOTE (Envelope)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 DUPLIKOTE (Bond, Duplicator)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 DURALITE (Cover)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio

DURATAG (Board)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 EAGLE A (Announcement, Writing)—American Writing Paper Corp., Holyoke, Mass.
 EARLY AMERICAN (Announcement, Cover, Envelope, Text)—Lineweave, 21 Cypress St., Springfield 2, Mass.
 EATONIAN (Bond, Ledger)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.
 ★ECONOMY (Cover)—Kimberly-Clark Corp., Neenah, Wis.
 EDMONT (Bond)—Parsons Paper Co., Holyoke, Mass.
 EDGEWORTH (Onion Skin)—Valley Paper Co., Holyoke, Mass.
 ELECTION (Bristol)—Appleton Coated Paper Co., Appleton, Wis.
 EMPIRE (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 ★EMPIRE (Book)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 EMPRESS (Book)—Appleton Coated Paper Co., Appleton, Wis.
 ENAMELINE (Book)—Mead Sales Co., 230 Park Ave., New York 17, N. Y.
 ENAMELED (Blotting)—Wrenn Paper Co., Middletown, Ohio
 ★ENGLISH (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.
 ★ENVOY (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
 EQUATOR (Book, Bristol)—Sorg Paper Co., Middletown, Ohio
 ESCORT (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
 ESOPUS (Bristol)—Martin Cantine Co., Saugerties 1, N. Y.
 EXACT (Bond, Ledger)—Wausau Paper Mills, 111 W. Washington St., Chicago, Ill.
 EXCHANGE (Safety)—George LaMonte & Son, Nutley 10, N. J.
 EXPOSITION (Bond, Onion Skin)—Whiting Paper Co., Holyoke, Mass.
 ★FABRATLEX (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 FABRIC (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 ★FAIRFIELD (Announcement, Text)—Strathmore Paper Co., West Springfield, Mass.
 FAIRMOUNT (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 ★FALPACO (Covered Blanks)—Falulah Paper Co., Falulah Road, Fitchburg, Mass.
 FEATHERWEIGHT (Book, Onion Skin)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 ★FEEDWELL (Bond, Ledger, Mimeograph)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 FENWAY (Litho)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 FIBERFOLD (Bristol)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 FIDELITY (Onion Skin)—Ealeck Mfg. Co., Turners Falls, Mass.
 ★FIESTA (Text)—Strathmore Paper Co., West Springfield, Mass.
 FILMKOTE (Book)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 FINANCE (Bond, Bristol)—Rising Paper Co., Park St., Housatonic, Mass.
 ★FINE-FLAX (Onion Skin)—Ecusta Paper Corp., Pisgah Forest, N. C.
 FINE LETTER (Writing)—Lineweave, 21 Cypress St., Springfield 2, Mass.
 FIRST CLASS (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
 FISCAL (Announcement)—Rising Paper Co., Park St., Housatonic, Mass.
 FITCHBURG (Box Lining, Envelope, Safety, Writing)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
 ★FLAT-As-A-Pancake (Gummed Offset)—Brown-Bridge Mills, Inc., Troy, Ohio
 FLAT WHITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 ★FLAX-O-PAKE (Bible)—Ecusta Paper Corp., Pisgah Forest, N. C.
 FLAXON (Bond)—D. M. Bare Paper Co., Roaring Spring, Pa.
 FLEMISH (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 FOLDETTE (Book, Cover)—Watervliet Paper Co., Watervliet, Mich.
 FORT ANCIENT (Bond, Ledger)—Harding-Jones Paper Co., Middletown, Ohio
 ★FORTUNE (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 FORWARD (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
 FRANCONIA (Bond, Ledger)—Parker-Young Co., 131 State St., Boston 9, Mass.
 FRANKLIN (Blanks, Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 FRANKLIN (Bond)—George A. Whiting Paper Co., Menasha, Wis.
 FRA-OPAQUE (Book)—Fraser Industries, Inc., 420 Lexington Ave., New York 17, N. Y.
 FRENCH FOLIO (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.

★GABARDINE (Text)—Strathmore Paper Co., West Springfield, Mass.

GENERAL DEMAND (Kraft)—Central Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 GEORGIAN (Cover, Text)—Worthy Paper Co., West Springfield, Mass.
 GIBBALTAR (Onion Skin)—Miller Falls Paper Co., Mill Road, Millers Falls, Mass.
 GLACIER (Bond)—Neenah Paper Co., Neenah, Wis.
 GLEN (Bond)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 GLENDALE (Wedding)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 GLOSSETT (Book)—Watervliet Paper Co., Watervliet, Mich.
 GLOSS INK (Litho)—Watervliet Paper Co., Watervliet, Mich.
 GLENBOURN (Text)—Hurlbut Paper Co., South Lee, Mass.
 GLOSTONE (Bristol, Cover)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 GOLD MEDAL (Duplicator)—Badger Paper Mills, Inc., Peshtigo, Wis.
 GREEN CORE (Gummed Tape, Gummed Hollands)—Mid-State Gummed Paper Co., 2315 S. Damen Ave., Chicago 8, Ill.
 GREYLOCK (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
 GROTON (Tyman)—Hollingsworth & Vose Co., 112 Washington St., East Walpole 1, Mass.
 GUARDIAN (Bond, Bristol, Ledger)—Crocker-McLewin Co., Holyoke, Mass.
 GUMCRAFT (Gummed Tape)—Gummed Tape & Devices Co., 1318-20 60th St., Brooklyn 19, N. Y.
 HADRIAN (Text)—Worthy Paper Co., West Springfield, Mass.
 HALFMoon (Bond)—Mohawk Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 HALFTONE (Post Card)—Wheelwright Papers, Inc., 220 Park Ave., New York 17, N. Y.
 ★HAMILTON (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
 HAMILTON (Ledger, Mimeograph)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
 ★HAMMERMILL (Bond, Book, Bristol, Cocklone, Cover, Duplicator, Envelope, Ledger, Mimeograph, Offset, Opaque, Safety, Writing)—Hammermill Paper Co., Erie, Pa.
 HAND AND ARROWS (Writing)—Worthy Paper Co., West Springfield, Mass.
 HARDIWEAR (Duplicator)—Ditto Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 HAWKEYE (Book)—Michigan Paper Co., Plainwell, Mich.
 HAWTHORNE (Bond, Book, Ledger, Parchment, Onion Skin)—Hawthorne Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 ★HEATHER (Bond)—Eastern Corporation, Bangor, Me.
 HERCULEAN (Cover)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 HERITAGE (Bond)—Parsons Paper Co., Holyoke, Mass.
 HERMES (Book)—Crocker Burbank Papers, Inc., 545 Westminister St., Fitchburg, Mass.
 HIGH GLOSS (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
 HIGHLIGHT (Blanks, Bristol, Cover, Showcard, Wedding)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 HILLCOURT (Bible, Book, Wedding)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
 HILLCREST (Bible, Book, Litho)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
 HILLSIDE (Bond)—Harding-Jones Paper Co., Middletown, Ohio
 HI-LUSTRE (Blotting)—Wrenn Paper Co., Middletown, Ohio
 HISPEED (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 ★HOLMESDALE (Bond)—Byron Weston Co., Main St., Dalton, Mass.
 ★HOMESPUN (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 HONOR (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 ★HOWARD (Bond, Ledger, Mimeograph)—Howard Paper Co., Urbana, Ohio
 ★HUDEON (Book, Litho)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 HURLBUT (Parchment)—Hurlbut Paper Co., South Lee, Mass.
 HURON (Carbon Paper, Onion Skin, Waxed)—Port Huron Sulphite & Paper Co., Port Huron, Mich.

IAMA (Towels)—Central Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 ★IDEAL (Litho)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 ILLUSTRATION (Bond)—Michigan Paper Company, Plainwell, Mich.
 ★ILLUSTRATION (Drawing)—Strathmore Paper Company, West Springfield, Mass.
 IMPERIAL (Bible, Book, Second Sheets, Onion Skin)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 ★INDOPAQUE (Bible)—Crane & Co., Inc., 30 South St., Dalton, Mass.
 INDIAN HEAD (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N. Y.
 INDOPAQUE (Bible)—Crane & Co., Inc., 30 South St., Dalton, Mass.
 ★INDUSTRIAL (Cover, Waterproof)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 INSERT (Book)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.

★INSPIRATION (Bond, Book, Envelope)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 INTERNATIONAL (Cover)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 ★INTERNATIONAL (Book, Duplicate)—International Paper Co., 220 E. 42nd St., New York 17
 INTERWOVEN (Cover)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 INTERLACE (Text)—Rising Paper Co., Park St., Housatonic, Mass.
 ★INVENTORY (Bristol)—Champion Paper & Fibre Co., Hamilton, Ohio
 IONIC (Blanks, Bristol, Showcard)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 IRON TAG (Manila Tag)—Hollingsworth & Voss Co., 112 Washington St., East Walpole 1, Mass.

JAMES RIVER (Bond, Bristol, Wedding)—Standard Paper Mfg. Co., Richmond, Va.
 JEFFERSON (Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 JESMORE (Book)—Jesup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
 JEWELRY (Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 ★JOURNEYMAN'S (Book)—International Paper Co., 220 E. 42d St., New York 17, N. Y.

★K SPECIAL (Envelope)—Chillicothe Paper Co., Chillicothe, Ohio
 KEITH (Bond, Ledger, Wedding)—Keith Paper Co., Turners Falls, Mass.
 KENMORE (Book, Mimeograph)—Jesup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
 KENTONE (Book, Mimeograph)—Jesup & Moore Paper Co., 16 Broad St., Philadelphia 2, Pa.
 MILMORY (Cover, Text)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
 ★KIMFECT LEVELCOAT (Book)—Kimberly-Clark Corp., Neenah, Wis.
 ★KIMRAY (Book)—Kimberly-Clark Corp., Neenah, Wis.
 ★KLO-KAY (Bond, Bristol, Mimeograph, Post Card)—Northwest Paper Co., Cloquet, Minn.
 ★KROYDEN (Cover)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
 ★KRYSTAL KLEAR (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
 K.V.P. (Bond, Book)—Kalamazoo Vegetable Parchment Co., Kalamazoo 99, Mich.

LACONIA (Bond)—Parsons Paper Co., Holyoke, Mass.
 ★LAIDTONE (Book, Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 L'AIGLON (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 ★LAKELAND (Book)—Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis.
 LAMONTE (Safety)—George LaMonte & Son, Nutley 10, N. J.
 LANDMARK (Wedding)—Keith Paper Co., Turners Falls, Mass.
 ★LAURELITE (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
 ★LEATHERCRAFT (Cover)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
 LEATHERET (Cover)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 LEATHERETTE (Book)—Michigan Paper Co., Plainwell, Mich.
 ★LEATHER-GLO (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 LEATHERRIGHT (Cover)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 LEATHEROID (Cover)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 LEGHORN (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 LENOX (Bond, Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
 LEONARDO (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 ★LEXICON (Book, Text)—Champion Paper & Fibre Co., Hamilton, Ohio
 ★LIBRARIAN (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 LINETONE—Linton Brothers Co., 22 Rollstone St., Fitchburg, Mass.
 LINE MARQUE (Writing)—Rising Paper Co., Park St., Housatonic, Mass.
 LINOTONE (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 LINWEAVE (Announcement, Bristol, Cut Cards, Cover, Envelope, Social Stationery, Text, Wedding, Writing)—Linweave, 21 Cypress St., Springfield 2, Mass.
 LITHOGLOSS (Litho)—Martin Cantine Co., Saugerties 1, N. Y.
 ★LITHOPRINT (Litho)—Champion Paper & Fibre Co., Hamilton, Ohio
 LITHOTINT (Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 LITHOTONE (Blotting)—Joseph Parker & Son Co., 1155 Whalley Ave., New Haven 15, Conn.
 ★LODESTONE (Cover)—Hampton Glazed Paper & Card Co., Holyoke, Mass.
 ★LOGAN (Book)—Chillicothe Paper Co., Chillicothe, Ohio
 LOIS (Wedding)—Whiting Paper Co., Holyoke, Mass.
 LONGLIFE (Bristol)—Wheelwright papers, Inc., 230 Park Ave., New York 17, N. Y.

LONGRUN (Duplicate)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 LYNFLAX PARCHMENT (Bond)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.

★MACHINE POSTING (Ledger)—Byron Weston Co., Dalton, Mass.
 MADE(W)RIGHT (Bristol, Showcard)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 ★MAGAZINE (Book)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 ★MAINEFOLD (Book, Cover)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.
 ★MANAGEMENT (Bond)—Hammermill Paper Co., Erie, Pa.
 MANDATE (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 MANDO (Envelope, Kraft, Wrapping)—Minnesota & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6
 ★MANIFEST (Bond, Duplicate, Ledger, Mimeograph, Onion Skin)—Eastern Corporation, Bangor, Me.
 MARCO (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
 MARLOWE (Text)—Worthy Paper Co., West Springfield, Mass.
 MARVELHIDE (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
 MARVELLEATHER (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
 MASTER OF ARTS (Cover, Text)—Worthy Paper Co., West Springfield, Mass.
 MAXOPAQUE (Cover)—Aetna Paper Co., Dayton, Ohio
 MAXWELL (Bond, Book)—Maxwell Paper Co., Franklin, Ohio
 M. C. (Book)—Martin Cantine Co., Saugerties 1, N. Y.
 ★MEAD (Bond, Ledger, Mimeograph)—Mead Sales Co., Inc., 230 Park Ave., New York 17, N. Y.
 MECHANO FORM (Bristol, Ledger)—Parsons Paper Co., Holyoke, Mass.
 MEDIA (Onion Skin)—Brownville Paper Co., Brownville, N. Y.
 ★MERCURY (Second Sheets)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17
 MERRIT (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 MERRILL (Bond, Mimeograph)—Ward Paper Co., Merrill, Wis.
 ★METER (Meter, for Charts)—Hammermill Paper Co., Erie, Pa.
 METTAPAN (Bristol)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 MIAMI (Board, Book, Box Covering, Bristol, Cover, Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 MIAMITINT (Book)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 MIAMITONE (Book, Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 MICHIGAN (Book, Onion Skin)—Michigan Paper Co., Plainwell, Mich.
 MIKADO (Vellum)—Knowlton Brothers, 213 Factory St., Watertown, N. Y.
 MIDDLETOWN (Post Card)—Sorg Paper Co., Middletown, Ohio
 MILHAM (Book, Bristol, Cover, Litho Paster Print)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 MILLBROOK (Bond)—Keith Paper Co., Turners Falls, Mass.
 MILLERS FALLS (Onion Skin)—Millers Falls Paper Co., Millers Falls, Mass.
 ★MIMEO SCRIPT (Mimeograph)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 ★MINGO (Bond, Writing)—Chillicothe Paper Co., Chillicothe, Ohio
 MINNONT (Book, Rotogravure and Gravure)—Minnesota & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6, Ill.
 MIRADOR (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 ★MITTSFIBRE (Wrapping)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.
 ★MODERN GLOSS (Book)—Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis.
 MOHAWK (Bristol, Cover, Duplicate, Envelope, Mimeograph, School Construction Paper, Union Watermarked)—Mohawk Paper Mills, Inc., 465 Saratoga St., Cohoes, N. Y.
 ★MOISTRITE (Bond, Book, Mimeograph)—Mead Sales Co., Inc., 230 Park Ave., New York 17, N. Y.
 MONARCH (Litho)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 ★MONO OUTLOOK (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
 MONOPLANE (Bond)—P. H. Glatfelter Co., Spring Grove, Pa.
 ★MONTAGUE (Poster Print)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 MONTAGUE (Wedding)—Keith Paper Co., Turners Falls, Mass.
 MOROCCO (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N. Y.
 MOSAIC (Blotting)—Wrenn Paper Co., Middletown, Ohio
 MOULD MADE (Cover)—Hurlbut Paper Co., South Lee, Mass.
 ★MOUNTIE (Book, Litho)—Northwest Paper Co., Cloquet, Minn.
 MOUNT VERNON (Text)—Hawthorne Paper Co., E. Michigan St., Kalamazoo, Mich.
 M. P. C. (Book)—Michigan Paper Co., Plainwell, Mich.
 MULTYKOLOR (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 MUSKEGON (Onion Skin)—Central Paper Co., 2404 Lake Shore Drive, Muskegon, Mich.

MUTUAL (Bond, Mimeograph, Onion Skin)—Whiting Paper Co., Holyoke, Mass.
 MYRIAD (Onion Skin)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.

★NAMELO (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
 NATIONAL (Post Card)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 NATIONAL (Bond)—Harding-Jones Paper Co., Middletown, Ohio
 NATIONAL (Safety)—George LaMonte & Son, Nutley 10, N. J.
 NAVAJO (Bond, Cover, Ledger)—Mohawk Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 NEENAH (Bond, Bristol, Ledger, Onion Skin)—Neenah Paper Company, Neenah, Wis.
 ★NEKOOSA (Bond, Duplicate, Ledger, Mimeograph, Writing)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
 ★NEKOOS-O-PAKE (Bond)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
 ★NEPCO (Waxed, Wrapping)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
 NEPTUNE (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N. Y.
 NEW ENGLAND (Book, Bristol)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 NO-COAT GLOSS (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 ★NORSE (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
 ★NORTH STAR (Book)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.
 ★NORTH STAR (Book)—Northwest Paper Co., Cloquet, Minn.
 NU-ART (Blotting)—Standard Paper Co., Richmond, Va.
 NUGGETT (Cover)—United Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
 NYPEN (Book, Litho)—New York & Pennsylvania Co., Lock Haven, Pa.

★OAK LEAF (Chalk Overlay)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 ★OLD BADGER (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.
 OLD COUNCIL TREE (Bond, Onion Skin)—Neenah Paper Co., Neenah, Wis.
 OLD DEVON (Bond, Ledger)—Keith Paper Company, Turners Falls, Mass.
 OLD HAMPDEN (Bond)—Parsons Paper Co., Holyoke, Mass.
 OLD HAMPSHIRE (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 OLD SOUTH (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 ★OLD SPANISH (Check)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 ★OLD STRATFORD (Bond)—Strathmore Paper Co., West Springfield, Mass.
 OLD TAVERN (Cover)—McLaurin-Jones Co., 744 Philip Ave., Brookfield, Mass.
 OLD TREATY (Bond)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
 OLDE STYLE (Book)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 OLYMPIC (Bristol)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 ★OPACITONE (Book)—Chillicothe Paper Co., Chillicothe, Ohio
 ORGANDIE (Wedding)—Whiting Paper Co., Holyoke, Mass.
 ★OTIS (Bristol)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 OTSEGO (Blanks)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 OVERPRINT MULTI-SERVICE (Litho)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 ★OXFORD (Book, Litho)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.

PADLOCK (Safety)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.
 PAPERGLAS (Glassine)—Westfield River Paper Co., Inc., Russell, Mass.
 ★PAPETERIE (Bristol)—Strathmore Paper Co., West Springfield, Mass.
 PARAMOUNT (Carbon)—Frye Mfg. Co., 301 University Ave., Des Moines 4, Iowa
 PARATEX (Book)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 ★PARCHMENTONE (Book, Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22
 PARKER'S (Blotting, Stereotype)—Joseph Parker & Son, 1155 Whalley Ave., New Haven 15, Conn.
 PARKWORTH (Bond)—Parker-Young Co., 131 State St., Boston 9, Mass.
 PARSONS (Bond, Bristol, Ledger)—Parsons Paper Co., Holyoke, Mass.
 ★PASTELLE (Text)—Strathmore Paper Co., West Springfield, Mass.
 PATAPAR (Parchment)—Paterson Parchment Paper Co., Bristol, Pa.
 PATAWITE (Onion Skin)—Paterson Parchment Paper Co., Bristol, Pa.
 PATAX (Waxed)—Paterson Parchment Paper Co., Bristol, Pa.
 ★PATENT OFFICE (Drawing)—Strathmore Paper Co., West Springfield, Mass.
 PAVCO (Onion Skin)—Valley Paper Co., Holyoke, Mass.

PEMI (Envelope, Ledger)—Parker-Young Co., 131 State St., Boston 9, Mass.
 ★PENINK (Mimeograph)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 PENINSULAR (Bristol, Cover, Litho)—Peninsular Paper Co., Ypsilanti, Mich.
 PENNSYLVANIA (Bond, Book)—P. H. Glatfelter Co., Spring Grove, Pa.
 PENROTYPE (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 ★PERFECTION (Decalcomania, Die Wipers, Gummed Label, Gummed Offset, Morsegraph)—Paper Manufacturers Co., Fifth & Willow Sts., Philadelphia 23, Pa.
 PERMANIZED (Bond, Ledger, Parchment, Onion Skin, Writing)—Whiting-Plover Paper Co., Stevens Point, Wis.
 PHELPS (Safety)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.
 ★PIEDMONT (Book)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 ★PILGRIM (Wedding)—Eastern Corporation, Bangor, Me.
 PILGRIM (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 ★PLATEX (Text)—Strathmore Paper Co., West Springfield, Mass.
 ★PLATINE (Tympen)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.
 PLATINUM (Announcement)—Rising Paper Co., Park St., Housatonic, Mass.
 PLIABLE (Book, Bristol, Cover, Poster Print)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 PLOVER, PERMANIZED (Bond, Ledger, Onion Skin)—Whiting-Plover Paper Co., Stevens Point, Wis.
 ★POLAR (Book)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.
 POLYCHROME (Book)—Appleton Coated Paper Co., Appleton, Wis.
 PORCELAIN (Blotting, Book)—Wrenn Paper Company, Middletown, Ohio
 ★PORCELAIN (Bristol)—Strathmore Paper Co., West Springfield, Mass.
 PORTHOS (Cover)—United Mfg. Co., 108 Birnie Ave., Springfield 7, Mass.
 PORT HURON (Cover)—Port Huron Sulphite & Paper Co., Port Huron, Mich.
 PRESTIGE (Onion Skin)—Esleick Mfg. Co., Turners Falls, Mass.
 ★PRINTCRAFT (Waterproof)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.
 PRINTFLEX (Book, Cover)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 PRISMATIC (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
 ★PROCESS PLATE (Book)—Mead Sales Co., Inc., 230 Park Ave., New York 17, N. Y.
 ★PRODUCTION GLOSS (Book)—Consolidated W-er Paper & Paper Co., Wisconsin Rapids, Wis.
 PROSPERITY (Book)—Kalamazoo Vegetable Parchment Co., Kalamazoo 99, Mich.
 PROVENWORTH (Duplicator)—P. H. Glatfelter Co., Spring Grove, Pa.
 PUBLICATION (Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 PURE LINEN (Writing)—Whiting Paper Co., Holyoke, Mass.

QUALITY, EAGLE A (Bond, Duplicator, Ledger, Mimeograph, Onion Skin)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 QUEEN (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.

RAMNEY (Announcement, Cover, Envelope, Text)—Lineweave, 21 Cypress St., Springfield 2, Mass.
 RAPHER (Onion Skin)—Brownville Paper Co., Brownville, N. Y.
 RA-SILK (Onion Skin)—Kalamazoo Vegetable Parchment Co., Kalamazoo 99, Mich.
 RAVELSTONE (Bond, Ledger)—Keith Paper Co., Turners Falls, Mass.
 RAYON (Book)—Miami Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
 REALLY (Decalcomania, Gummed Label, Gummed Offset)—Mid States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
 RECORD (Ledger)—Whiting Paper Co., Holyoke, Mass.
 RECORD (Blotting)—Wrenn Paper Co., Middletown, Ohio
 RED CORE (Cloth-Lined, Gummed Hollands, Gummed Tape, Waterproof)—Rexford Paper Co., 1713 W. Canal St., Milwaukee 3, Wis.
 ★RED STREAK (Gummed Tape)—Brown-Bridge Mills, Inc., Troy, Ohio
 RELAY (Onion Skin)—Valley Paper Co., Holyoke, Mass.
 RELIANCE (Blotting)—Albamarle Paper Mfg. Co., Richmond, Va.
 RESEARCH (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 RESISTALL (Ledger)—L. L. Brown Paper Co., Adams, Mass.
 RESOLUTE (Ledger)—Neenah Paper Co., Neenah, Wis.
 REX (Book)—Rex Paper Co., Kalamazoo, Mich.
 RHODES (Book)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
 ★RHODODENDRON (Cover)—Strathmore Paper Co., West Springfield, Mass.

RICHFOLD (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 RICHGLOSS (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 RIEGEL'S (Board, Bristol, Manila, Waxed)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 RISING (Bond, Bristol, Duplicator)—Rising Paper Co., Park St., Housatonic, Mass.
 RIVERDALE (Cover)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 RIVERSIDE (Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 ROCKET (Book)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 ROLLSTONE (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 ROSCOLENE (Transparent)—Rosco Laboratories, 367 Hudson Ave., Brooklyn 1, N. Y.
 ROSE PETAL (Wedding)—Keith Paper Co., Turners Falls, Mass.
 ★ROTO PLATE (Gravure & Rotogravure)—Kimberly-Clark Corp., Neenah, Wis.
 ROYAL (Blotting)—Wrenn Paper Co., Middletown, Ohio
 ROYAL (Book, Bristol, Cover)—Watervliet Paper Co., Watervliet, Mich.
 ROYAL WORCESTER (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
 ★RUMFOLD (Book, Litho)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.

SAFETY (Check, Bank Note, Safety)—George Lamonte & Son, Nutley 10, N. J.
 SAFETY (Bristol)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.
 ★SALES AID (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 ★SARATOGA (Book)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.
 ★SATIN-REOLD (Book, Cover)—Champion Paper & Fibre Co., Hamilton, Ohio
 SATURN BOOK (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 ★SAXON (Bristol)—Strathmore Paper Co., West Springfield, Mass.
 ★SAXONET (Text)—Strathmore Paper Co., West Springfield, Mass.
 SCOTCH (Ledger)—Parsons Paper Co., Holyoke, Mass.
 ★SCRIPTIC (Mimeograph)—Champion Paper & Fibre Co., Hamilton, Ohio
 SEA FOAM (Onion Skin)—Brownville Paper Co., Brownville, N. Y.
 ★SELF SEAL (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 7, Mass.
 SERVICE (Check, Bank Note, Safety)—Gurney Security Paper Co., Inc., 66 Front St., Brooklyn 1, N. Y.
 SERVICE (Litho)—Watervliet Paper Co., Watervliet, Mich.
 SHADOWMOULD (Text)—Hurlbut Paper Co., South Lee, Mass.
 SHEERLEAF (Onion Skin)—Chemical Paper Mfg., Foot of Jackson St., Holyoke, Mass.
 SHBLURNE (Bond)—Keith Paper Co., Turners Falls, Mass.
 SHIRLEY (Tympen)—Hollingsworth & Vose Co., 60 Battery March St., Boston 2, Mass.
 SIGNAGRAPH (Mimeograph)—Standard Paper Mfg. Co., Richmond, Va.
 SIGNATURE (Mimeograph)—P. H. Glatfelter Co., Spring Grove, Pa.
 SIGNATURE (Text, Writing)—Worthy Paper Co., West Springfield, Mass.
 SILVERLEAF (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 SILVERRIPE (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 SILVERWING (Onion Skin)—Port Huron Sulphite & Paper Co., Port Huron, Mich.
 ★SKYTONE (Book, Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 ★SMOOTHTEX (Text)—Strathmore Paper Co., West Springfield, Mass.
 SNOWHITE-STIKTITE (Box Covering)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
 SOREX (Manila, Tag)—Sorg Paper Co., Middletown, Ohio
 SPECIAL (Litho)—Crocker Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 ★SPECIALTY (Wrapping)—Eastern Corp., Bangor, Me.
 SPHEREKOTE (Tympen)—Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
 SPOTLIGHT (Cover)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 SPRING GROVE (Book, Litho)—P. H. Glatfelter Co., Spring Grove, Pa.
 ★SPRINGHILL (Bristol, Manila)—International Paper Co., 220 East 42nd St., New York 17, N. Y.
 SOUANNACOOK (Bristol)—Hollingsworth & Vose Co., 112 Washington St., East Walpole 1, Mass.
 STANDARD (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 STANDARD (Blotting, Book)—Standard Paper Mfg. Co., Richmond, Va.
 STAR (Check, Bank Note, Safety)—Gurney Security Paper Co., Inc., 66 Front St., Brooklyn 1, N. Y.
 STATE (Post Card)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 STATE (Bond)—Whiting Paper Co., West Springfield, Mass.
 ★STERLING (Book)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 STERLING (Ledger)—Whiting Paper Co., West Springfield, Mass.
 STERLING (Bond, Text)—Worthy Paper Co., West Springfield, Mass.

★STERLING TREAD (Gummed Tape)—Gummed Products Co., S. Union St., Troy, Ohio
 STONEWALL (Ledger)—Neenah Paper Co., Neenah, Wis.
 ★STRATHLUCENT (Bristol)—Strathmore Paper Co., West Springfield, Mass.
 ★STRATHMORE (Bond, Book, Cover, Drawing, Parchment, Text, Writing)—Strathmore Paper Co., West Springfield, Mass.
 STREAMLINE (Book)—Watervliet Paper Co., Watervliet, Mich.
 STRONGHEART (Bristol)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 SUCCESS (Bond)—Neenah Paper Co., Neenah, Wis.
 SUEDE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 SULGRAVE (Book, Cover)—Standard Paper Mfg. Co., Richmond, Va.
 SUMNER PLATE (Book)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 SUNBEAM (Book, Box Linings, Litho)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 SUNRAY (Book, Box, Covering, Litho)—Bryant Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 ★SUPER (Litho)—Champion Paper & Fibre Co., Hamilton, Ohio.
 SUPERB (Cover)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 ★SUPERFINE (Bristol)—Strathmore Paper Co., West Springfield, Mass.
 SUPERFINE (Bristol)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 SUPERFINE (Wedding, Writing)—Whiting Paper Co., Holyoke, Mass.
 SUPERIOR (Cover)—Carew Mfg. Co., Hadley Falls, Mass.
 SUPERIOR (Onion Skin)—Esleick Mfg. Co., Turners Falls, Mass.
 SUPERIOR (Wedding)—Keith Paper Co., Turners Falls, Mass.
 SUPER PLATE (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
 SUPERTUFF (Cover)—Appleton Coated Paper Co., Appleton, Wis.
 SUPERWHITE (Manila)—Hollingsworth & Vose Co., 112 Washington St., East Walpole 1, Mass.
 SURETY (Bond)—Crocker-McElwain Co., Holyoke, Mass.
 SURROGATE BOND (Bond)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.
 ★SWEDEROPE (Manila)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.

TA-NON-KA (Mimeograph, Duplicator, Second Sheets)—Badger Paper Mills, Inc., Peshtigo, Wis.
 TENOR (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 TEXTILE (Bond)—Whiting Paper Co., Holyoke, Mass.
 THINOPAKE (Bible, Book)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 THINPLATE—Linton Brothers & Co., 22 Rollstone St., Fitchburg, Mass.
 THINTEXT (Bible)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 THINWEAVE (Onion Skin)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 ★THISTLEMARK (Bond)—Strathmore Paper Co., West Springfield, Mass.
 THREE STAR (Bond, Ledger, Mimeograph)—Mohawk Paper Mills, 465 S. Saratoga St., Cohoes, N. Y.
 ★TICONDEROGA (Book, Text)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.
 TIHO (Bond)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 TIME CARD (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 ★TI-OPAKE (Book)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.
 TISRITE (Ledger)—Keith Paper Co., Turners Falls, Mass.
 TITAN (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 TITAN (Cover)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 TITANTEX (Onion Skin)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 TITEL (Ledger)—Whiting Paper Co., Holyoke, Mass.
 ★TOPAZ (Manila)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.
 TOREADOR (Cover)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 ★TOUGH CHECK (Bristol)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 TOWN CRIER (Announcement, Cover, Envelope, Text, Wedding)—Lineweave, 21 Cypress St., Springfield 2, Mass.
 TREASURY (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 TREASURY (Ledger)—Harding-Jones Paper Co., Middletown, Ohio
 TREASURY (Blotting)—Jos. Parker & Son Co., 1155 Winthrop Ave., New Haven 15, Conn.
 TREATED JUTE (Tympen)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 TROJAN (Bond, Cover, Duplicator, Ledger, Onion Skin, Wedding)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 ★TROJAN (Gummed Label, Offset Cloth Tape, Hollands)—Gummed Products Co., S. Union St., Troy, Ohio
 TRUCOLOR (Cover)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 ★TRUFEEL LEVEL COAT (Book)—Kimberly-Clark Corp., Neenah, Wis.
 TRU-TINT (Cover)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 TUDOR (Ledger)—Neenah Paper Co., Neenah, Wis.

TUFWHITE (Board)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 ★TWEED (Text)—Beckett Paper Co., Hamilton, Ohio
 TWEEDMAR (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
 20TH CENTURY (Bristol)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 TWILMARK (Text)—Peninsular Paper Co., Ypsilanti, Mich.
 ★TWILTEX (Cover)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
 TWO TEXT (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
 ★TYPACOUNT (Ledger)—Byron Weston Co., Main St., Dalton, Mass.



★ULTRAFINE (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 UNCLE SAM (Bond)—Hawthorne Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 ★UNION (Union Watermarked)—Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis.
 UNITED (Box Covering, Cloth, Cloth Lined)—United Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
 UNITED NATIONS (Bond, Onion Skin)—North American Pulp & Paper Co., Cheboygan, Mich.
 UNITED STATES (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 UNIVERSAL (Safety)—Gurney Security Paper Co., Inc., 66 Front St., Brooklyn 1, N. Y.
 UTILITY (Blotting)—Wrenn Paper Co., Middletown, Ohio



★VAC-CUP-BAC (Poster Print)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 VALLEY (Onion Skin)—Valley Paper Co., Holyoke, Mass.
 VALLEY CREAM (Postcard)—Sorg Paper Co., Middletown, Ohio
 VASSAR (Wedding)—Whiting Paper Co., Holyoke, Mass.
 VELDUROFOLD (Book) Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 VELOPAQUE (Book)—Michigan Paper Co., Plainwell, Mich.
 VELOUR (Book, Cover)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.

★VELUMET (Box Covering)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 VELVETONE (Bristol)—Martin Cantine Co., Saugerties 1, N. Y.
 VERIGOOD (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
 VICTORIA (Blotting)—Joseph Parker & Son Co., 1155 Whalley Ave., New Haven 15, Conn.
 VICTORIAN (Cover, Text)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
 VICTORY (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
 VIENNA MOIRE (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
 VIKING (Cover)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 VIKING (Book)—Watervliet Paper Co., Watervliet, Mich.
 ★VOLUME (Bond)—Eastern Corporation, Bangor, Me.
 VULCAN (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.



WACHUSETTS (Blanks)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 WALPOLE TAG (Manila)—Hollingsworth & Vose Co., 112 Washington St., East Walpole 1, Mass.
 WAR BOND (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
 WARE (Box Covering, Cloth-lined, Cover, Litho, Metallic, Foil, Proofing)—McLaurin Jones Co., 744 Philip Ave., Brookfield, Mass.
 WATERFALLS BONDGRAPH (Mimeograph)—North American Pulp & Paper Co., Cheboygan, Mich.
 WAUSAU (Bond, Ledger)—Wausau Paper Mills, 111 W. Washington St., Chicago, Ill.
 ★WAVERLY (Ledger)—Byron Weston Co., Main St., Dalton, Mass.
 ★WEDDING No. 2 (Bristol)—Strathmore Paper Co., West Springfield, Mass.
 ★WEDGEWOOD (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
 WESTBROOK (Book, Bristol)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 WESTLOCK (Bond, Ledger)—Keith Paper Co., Turners Falls, Mass.
 WESTOVER (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 ★WESTVACO (Drinking Cups, Litho, Post Card, Gravure and Rotogravure, Writing)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17

★WEST VIRGINIA (Book)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 WEYCROFT (Cover)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
 ★WHIPPET (Bond)—Hammermill Paper Co., Erie, Pa.
 WHITAGE (Board)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 WHITE OAK (Book)—Michigan Paper Co., Plainwell, Mich.
 ★WHITE SEAL (Book, Litho)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.
 WHITE SIGN (Poster Print)—Central Paper Co., Inc., 2404 Lake Shore Dr., Muskegon, Mich.
 WILLOWFOLD (Book)—Michigan Paper Co., Plainwell, Mich.
 ★WINCHESTER (Bond, Bristol)—Byron Weston Co., Main St., Dalton, Mass.
 ★WINN (Book)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.
 WINSTED (Announcement)—Rising Paper Co., Park St., Housatonic, Mass.
 WISCONSIN (Book)—Appleton Coated Paper Co., Appleton, Wis.
 WISDOM (Book)—Hawthorne Paper Co., E. Michigan Ave., Kalamazoo 99, Mich.
 WOLVERINE (Book)—Michigan Paper Co., Plainwell, Mich.
 WOODBINE (Book, Cover)—Appleton Coated Paper Co., Appleton, Wis.
 WOODCRAFT (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
 ★WOODSTONE (Cover)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
 WORLD (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
 ★WORONOCO (Text)—Strathmore Paper Co., West Springfield, Mass.
 WORTHY (Text, Writing)—Worthy Paper Co., West Springfield, Mass.
 WOVEN LINEN (Wedding)—Whiting Paper Co., Holyoke, Mass.
 ★WOVETONE (Book, Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 WYTEK BOND (Book, Ledger)—WYTEK Sales Co., Dayton, Ohio



ZENA (Book)—Martin Cantine Co., Saugerties 1, N. Y.
 ZENAGLOSS (Book, Cover)—Martin Cantine Co., Saugerties 1, N. Y.
 ★ZEPHYR (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.

GUIDE TO BRANCH OFFICES OF LEADING MANUFACTURERS



★AIGNER, G. J., Co.; 503 S. Jefferson St., Chicago 7, Ill.

BRANCH:
 NEW YORK 13, N. Y.—97 Reade St.
 AMERICAN Numbering Machine Co., 224 Shepherd Ave., Brooklyn 8, N. Y.

BRANCH:
 CHICAGO 2, Ill.—105 W. Madison St.
 ★AMERICAN Roller Co., 1342 N. Halsted St., Chicago 22, Ill.

BRANCH:
 INDIANAPOLIS 4, Ind.—225 N. New Jersey St.
 ★AMERICAN Smelting & Refining Co., Federated Metals Div., Whiting, Ind.

BRANCHES:
 ATLANTA, Ga.
 BALTIMORE, Md.
 BECKEMEYER, N. J.
 BIRMINGHAM, Ala.
 BOSTON, Mass.
 CINCINNATI, Ohio
 CLEVELAND, Ohio
 DALLAS, Tex.
 DENVER, Colo.
 DETROIT 11, Mich.—11630 Russel St.
 KANSAS CITY, Mo.
 LOS ANGELES 23, Cal.—4010 E. 26th St.
 MILWAUKEE, Wis.
 MINNEAPOLIS, Minn.
 NEWARK 3, N. J.—St. Charles & Avenue L.
 NEW YORK 5, N. Y.—120 Broadway
 PERTH AMBOY, N. J.
 PHILADELPHIA, Pa.
 PITTSBURGH 24, Pa.
 PORTLAND, Ore.
 ROCHESTER, N. Y.
 ST. LOUIS 10, Mo.—4041 Park Ave.

SAN FRANCISCO, Cal.—1910 Army St.
 SEATTLE, Wash.
 TRENTON, N. J.
 WHITING, Ind. (Chicago Dist.)
 AMERICAN Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio

BRANCHES:
 BALTIMORE, Md.—First National Bank Bldg.
 BOSTON, Mass.—Statler Bldg.
 BUFFALO, N. Y.—Liberty Bank Bldg.
 CHICAGO, Ill.—208 South La Salle St.
 CINCINNATI, Ohio—Union Trust Bldg.
 COLUMBUS, Ohio—American Insurance Union Bldg.
 DENVER, Colo.—First National Bank Bldg.
 DETROIT, Mich.—General Motors Bldg.
 KANSAS CITY, Mo.—Fidelity Bldg.
 MILWAUKEE, Wis.—Bankers Bldg.
 MINNEAPOLIS—ST. PAUL, Minn.—First National Bank Bldg., St. Paul
 NEW YORK, N. Y.—71 Broadway
 PHILADELPHIA, Pa.—Broad St. Station Bldg.
 PITTSBURGH, Pa.—Frick Bldg.
 ST. LOUIS, Mo.—1221 Locust St.
 WILKES-BARRE, Pa.—Miners Bank Bldg.
 WORCESTER, Mass.—340 Main St.

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 6, N. J.

BRANCHES:
 ATLANTA 2, Ga.—282 Forsyth S.W.
 BALTIMORE 1, Md.—103 W. Pratt St.
 BOSTON 11, Mass.—210 South St.
 BUFFALO 3, N. Y.—127 Washington St.
 CHICAGO 6, Ill.—519 West Monroe St.
 CINCINNATI 2, Ohio—424 Commercial Sq.
 CLEVELAND 14, Ohio—1710 East 22nd St.
 DALLAS 1, Tex.—604 S. Akard St.
 DENVER 2, Colo.—1927 Arapahoe St.
 DES MOINES 9, Iowa—920 Grand Ave.
 DETROIT 26, Mich.—180 E. Larned St.
 KANSAS CITY 6, Mo.—934 Wyandotte St.
 LOS ANGELES 13, Cal.—470 E. Third St.
 MILWAUKEE 2, Wis.—737 N. Van Buren St.
 MINNEAPOLIS 1, Minn.—117 Washington Ave.
 NEW YORK 10, N. Y.—104 East 25th St.
 PHILADELPHIA 7, Pa.—13th & Cherry Sts.
 PITTSBURGH 22, Pa.—405 Penn Ave.

PORTLAND 4, Ore.—2755 N.E. Broadway
 ST. LOUIS 3, Mo.—2135 Pine St.
 SAN FRANCISCO 3, Cal.—1261 Howard St.
 SEATTLE 4, Wash.—Western Ave. & Columbia
 WASHINGTON 3, D. C.—1224 H St., N. W.

AMERICAN Wood Type & Engr. Co., 270 Lafayette St., New York 12, N. Y.

BRANCH:
 CHICAGO 5, Ill.—608 S. Dearborn St.
 AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.

BRANCHES:
 BOSTON 10, Mass.—80 Federal St.
 CHICAGO 3, Ill.—10 S. LaSalle St.
 NEW YORK 7, N. Y.—41 Park Row
 SAN FRANCISCO 5, Cal.—503 Market St.

ANSCO, 40 Charles, Binghamton, N. Y.

BRANCHES:
 CHICAGO 11, Ill.—433 E. Erie St.
 CINCINNATI 12, Ohio—229 E. Sixth St.
 DALLAS 1, Tex.—425 S. Field St.
 LOS ANGELES 15, Cal.—1224 S. Hope St.
 NEW YORK 18, N. Y.—11 West 42nd St.
 SAN FRANCISCO 5, Cal.—548 Mission St.
 CANADA, Toronto 1, Ont.—60 Front St. W.

APPLETON Wood Products Co., Douglas & Second Sts., Appleton, Wis.

BRANCHES:
 CHICAGO, Ill.—215 N. Peoria St.
 LOS ANGELES 13, Cal.—440 Seaton St.
 NEW YORK 13, N. Y.—59 Light St.
 SAN FRANCISCO 11, Cal.—7 Front St.

ARABOL Mfg. Co., 110 E. 42nd St., New York 17, N. Y.

SALES OFFICES:
 BOSTON, Mass.—12 Commercial Wharf
 BROOKLYN 3, N. Y.—56 Nostrand Ave.
 CICERO, Ill.—18th St. & 54th Ave.
 PHILADELPHIA 23, Pa.—600 S. Delaware Ave.
 SAN FRANCISCO 7, Cal.—30 Sterling St.
 ST. LOUIS, Mo.—2500 Texas Ave.

ARTCRAFT Ink Co., Inc., 333 N. Diamond St., New Orleans 13, La.

BRANCHES:
ATLANTA 3, Ga.—363 Marietta St.
HOUSTON 2, Tex.—415 Fannin St.
ATKINS, E. C., & Co., Indianapolis 9, Ind.
BRANCHES:
ATLANTA 2, Ga.—172 Forsyth St., S.W.
CHICAGO 7, Ill.—1401 W. Washington Blvd.
NEW ORLEANS 16, La.—307 Balter Bldg.
NEW YORK 7, N. Y.—233 Broadway
PORTLAND 14, Ore.—337 N. E. Tenth Ave.
SAN FRANCISCO 3, Cal.—989 Howard St.
SEATTLE 4, Wash.—1745 Fourth Ave.

B

★BAHNSON Co., 1001 S. Marshall St., Winston-Salem, N. C.

BRANCHES:
ATLANTA, Ga.—886 Drewry St., N.E.
LOS ANGELES 13, Cal.—553 S. Figueroa St.
NEW YORK, N. Y.—93 Worth St.
WESTFIELD, N. J.—703 Embree Crescent
BARTA-Griffin Co., 72 Commercial St., P.O. Box 808, Worcester 1, Mass.

BRANCH:
BOSTON 10, Mass.—148 Purchase St.
★BAUM, Russell Ernest, 615 Chestnut St., Philadelphia 6, Pa.

BRANCHES:
CHICAGO 6, Ill.—123 S. Jefferson St.
NEW YORK 1, N. Y.—461 8th Ave.
BAUMGARTNER Sales & Service

BRANCH:
AKRON 8, Ohio—43 W. Market St.
BEATTIE Process Camera Co., Summit 9, N. J.

BRANCH:
NEW YORK 7, N. Y.—206 Fulton St.
★BECKETT Paper Co., Hamilton, Ohio
SALES OFFICE:
NEW YORK 17, N. Y.—350 Madison Ave.
BEN Day, Inc., 118 E. 28th St., New York 16, N. Y.

BRANCH:
ENGLAND, London, W1—Ben Day Ltd., 79 Davies St.
BENJAMIN Electric Manufacturing Co., Des Plaines, Ill.

BRANCHES:
NEW YORK 11, N. Y.—230 West 17th St.
CHICAGO 6, Ill.—20 N. Wacker Drive
SAN FRANCISCO 7, Cal.—448 Bryant St.
BENSING Bros. & Deeney, 401 N. Broad St., Philadelphia 8, Pa.

BRANCHES:
CHICAGO 47, Ill.—2538 N. Seeley Ave.
LOS ANGELES 11, Cal.—2585 E. Slauson St.
BINGHAM Brothers Co., Inc., 154 Nassau St., New York 7, N. Y.

BRANCHES:
BALTIMORE 2, Md.—131 Calvin St.
GARWOOD, N. J.—648 South Ave.
NEWARK, N. J.—Brown & Lister Aves.
NEW YORK 7, N. Y.—406 Pearl St.
PHILADELPHIA 6, Pa.—521 Cherry St.
ROCHESTER 5, N. Y.—980 Hudson Ave.
★BINGHAM'S Sam'l, Son Mfg. Co., 636 S. Sherman St., Chicago 5, Ill.

BRANCHES:
ATLANTA 3, Ga.—274 Trinity Ave., S.W.
CLEVELAND 14, Ohio—1432 Hamilton Ave.
DALLAS 1, Tex.—1310 Patterson Ave.
DES MOINES 2, Iowa—1025 W. Fifth St.
DETROIT 10, Mich.—4391 Apple St.
HOUSTON 6, Tex.—2702 W. Dallas Ave.
INDIANAPOLIS 2, Ind.—629 S. Alabama St.
KALAMAZOO 12, Mich.—223 W. Ransom St.
KANSAS CITY 6, Mo.—706 Baltimore Ave.
MINNEAPOLIS 15, Minn.—900 S. Third St.
NASHVILLE 3, Tenn.—911 Berryhill St.
OKLAHOMA CITY 6, Okla.—1213 Linwood St.
PITTSBURGH 13, Pa.—88 S. 13th St.
ST. LOUIS 2, Mo.—514 Clark Ave.
SPRINGFIELD, Ohio—East & Harrison Sts.
BLATCHFORD, E. W., Co., 63 Park Row, New York 7, N. Y.

BRANCHES:
BOSTON 6, Mass.—800 Albany St.
BUFFALO 3, N. Y.—116 Oak St.
CHICAGO 80, Ill.—900 W. 18th St.
BOICE-Crane Co., 930 W. Central, Toledo

BRANCH:
CHICAGO, Ill.—218 N. Jefferson St.
BOSTITCH, Westerly, R. I.
Sales offices in principal cities; consult telephone book.

★BRANDTJEN and Kluge, Inc., Gaultier St. & Como Ave., St. Paul, Minn.

BRANCHES:
ATLANTA 3, Ga.—150 Forsyth St., S.W.
BOSTON, Mass.—115 High St.
CHICAGO 5, Ill.—622 S. Dearborn St.
DALLAS 1, Tex.—217 Browder St.
DETROIT 26, Mich.—1051 First St.
LOS ANGELES 15, Cal.—1232 S. Maple Ave.
MINNEAPOLIS 13, Minn.—419 S. 5th St.
NEW YORK 7, N. Y.—166 W. Broadway
PHILADELPHIA 7, Pa.—253 N. 12th St.
ST. LOUIS, Mo.—2226 Olive St.
SAN FRANCISCO 11, Cal.—451 Sansome St.

★BROWN-Bridge Mills, Inc., Troy, Ohio

BRANCHES:
BALTIMORE, Md.—707 Garrett Bldg.
CHICAGO 5, Ill.—608 S. Dearborn St.
NEW YORK, N. Y.—389 Fifth Ave.
PHILADELPHIA, Pa.—2203 Packard Bldg.
ST. LOUIS, Mo.—4053 Lindell Blvd.
SAN FRANCISCO, Calif.—420 Market St.
SEATTLE, Wash.—2416 First Ave.

BROWN Lindsay Div., Chicago Bronze & Color Works, 2601-75 W. Grand Ave., Chicago 12, Ill.

BRANCHES:
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BUTLER Paper Company, 223 W. Monroe St., Chicago 6, Ill.

BRANCHES:
ALBUQUERQUE, N. M.—100 E. New York Ave.
DALLAS 1, Tex.—413-417 S. Field St.
DENVER 2, Colo.—1200 Market St.
DETROIT 26, Mich.—851 Porter St.
FORT WAYNE, Ind.—110 W. Columbia St.
FORT WORTH 1, Tex.—70 Jennings Ave.
GRAND RAPIDS 2, Mich.—31 Market Ave., N.W.
HOUSTON 1, Tex.—Taylor at Shearn St.
KANSAS CITY 6, Mo.—608 Wyandotte St.
LOS ANGELES 11, Cal.—4355 Fruitland Ave.
MILWAUKEE 2, Wis.—316 N. Milwaukee St.
MINNEAPOLIS 15, Minn.—700 S. Fourth St.
NEW YORK 17, N. Y.—247 Park Ave.
PEORIA, Ill.—800 S. Adams St.
PORTLAND 9, Ore.—1410 N.W. Johnson St.
PUEBLO, Colo.—215-217 Court St.
ST. LOUIS 3, Mo.—3400 Market Blvd.
SAN ANTONIO, Tex.—1215 E. Houston St.
SAN FRANCISCO 6, Cal.—535 Folsom St.
SEATTLE 4, Wash.—414 Holgate St.
TERRE HAUTE, Ind.—517 N. 13th St.
TULSA, Okla.—2 N. Elgin Ave.

C

CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.

BRANCHES:
LOS ANGELES 15, Cal.—1136 Maple Ave.
PORTLAND 9, Ore.—1206 N.W. Hoyt St.
SALT LAKE CITY 1, Utah—156 W. First St.
SEATTLE 1, Wash.—2627 Western Ave.

CAPITOL Printing Ink Co., 821 3rd St., Des Moines 1, Iowa

BRANCHES:
CHICAGO, Ill.—2400 W. Madison St.
PHILADELPHIA, Pa.—135 S. 36th St.
ST. JOSEPH, Mo.—509 S. 7th St.
CARBORUNDUM Co., Niagara Falls, N. Y.

BRANCHES:
CHICAGO 9, Ill.—3630 S. Iron St.
NEW YORK 1, N. Y.—601 W. 26th St.
SAN FRANCISCO, Cal.—420 Market St.
CENTRAL Paper Co., Inc., 2404 Lake Shore Dr., Muskegon, Mich.

BRANCHES:
BOSTON 10, Mass.—10 High St.
BUFFALO 2, N. Y.—722 Genesee Bldg.
CHICAGO 3, Ill.—176 W. Adams St.
DETROIT 26, Mich.—824 Michigan Bldg.
NEW YORK 17, N. Y.—420 Lexington Ave.

CENTURY Electric Co., 1806 Pine St., St. Louis 3, Mo.
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CHAMPION Paper & Fibre Co., Hamilton, Ohio—Mills also at: Canton, N. C., and Houston, Tex.

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BOSTON 10, Mass.—201 Devonshire St.
CHICAGO 2, Ill.—1437 Conway Bldg.
CINCINNATI 2, Ohio—1406 Enquirer Bldg.
CLEVELAND 13, Ohio—1511 Terminal Tower
NEW YORK 17, N. Y.—230 Park Ave.
PHILADELPHIA 6, Pa.—370 Drexel Bldg.
ST. LOUIS 1, Mo.—1806 Arcade Bldg.

CHAPMAN Knives & Saws, Inc., 504 So. Broadway, St. Louis 2, Mo.

BRANCH:
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★CHEMCO Photoproducts Co., 230 W. 41st St., New York 18, N. Y.

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CHICAGO 6, Ill.—27 S. Market St.
NEW ORLEANS 12, La.—408 Camp St.
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BRANCH:
ST. PAUL 4, Minn.—771 Raymond Ave.
CHERRY River Paper Co., West Jersey Trust Bldg., Camden, N. J.

BRANCH:
CHICAGO 11, Ill.—919 N. Michigan Ave.
CHICAGO Steel & Wire Co., 10257 Torrence Ave., Chicago 17, Ill.

BRANCHES:
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SAN FRANCISCO 3, Cal.—1043 Bryant St.
CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.

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DEXTER Folder Co., Pearl River, N. Y.
CLINE Electric Mfg. Co., 400 W. Madison Street, Chicago 6, Ill.

BRANCHES:
NEW YORK 17, N. Y.—220 E. 42nd St.
SAN FRANCISCO 4, Cal.—410 Bush St.
★CONSOLIDATED Water Power & Paper Co., Wisconsin Rapids, Wis.

SALES OFFICE:
CHICAGO 3, Ill.—135 S. LaSalle St.
★COTTRELL, C. B., & Sons Co., Westerly, Rhode Island

BRANCHES:
NEW YORK 10, N. Y.—23 E. 26th St.
CHICAGO 6, Ill.—400 W. Madison St.
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ENGLAND, Chipstead, Surrey—Smyth-Horne Ltd.
CRAFTINT Mfg. Co., 210 St. Clair Ave. N.W., Cleveland 13, Ohio

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NEW YORK 3, N. Y.—9 East 19th St.
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CHICAGO 2, Ill.—111 W. Washington St.
NEW YORK 17, N. Y.—475 Fifth Ave.
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NEW YORK 7, N. Y.—41 Park Row
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BUFFALO 2, N. Y.—1016 E. & T. Bldg.
CHICAGO 2, Ill.—111 W. Washington St.
CINCINNATI 2, Ohio—3703 Carew Tower
CLEVELAND 10, Ohio—Guardian Bldg.
DETROIT 2, Mich.—General Motors Bldg.
LOS ANGELES 13, Cal.—124 W. Fourth St.
NEW YORK 7, N. Y.—50 Church St.
PHILADELPHIA 8, Pa.—401 N. Broad St.
PITTSBURGH 19, Pa.—1101 Grant Bldg.
SAN FRANCISCO 4, Cal.—544 Market St.
WASHINGTON 5, D. C.—1029 Vermont Ave.
CRONITE Co., 35 Park Pl., New York 7

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PORTLAND, Ore.—720 S. W. Washington St.
CUMMINS Perforator, Div., 4740 Ravenswood Ave., Chicago 40, Ill.

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PHILADELPHIA 40, Pa.—2010 W. Ontario St.

D

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★DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio

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SEATTLE 22, Wash.—1111 E. Madison Ave.

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CLEVELAND, Ohio—629 Euclid Ave.
DALLAS, Tex.—202 Southwestern Life Bldg.
NEW YORK 1, N. Y.—220 Fifth Ave.
PHILADELPHIA, Pa.—225 S. 15th St.
SAN FRANCISCO, Cal.—1642 Russ Bldg.
TORONTO, Ont., Canada—302 Bay St.

DEVERE Co., Racine, Wis.

BRANCH:
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DeVILBISS Company, 300 Phillips Ave., Toledo 1, Ohio

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DETROIT 2, Mich.—2865 E. Grand Blvd.
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NEW YORK 11, N. Y.—111 Eighth Ave.
PHILADELPHIA 8, Pa.—401 Broad St.
SAN FRANCISCO 3, Cal.—831 Howard St.

★DEXTER Folder Co., Pearl River, N. Y.

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DILL & Collins, Inc., 230 Park Ave., New York 17, N. Y.

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DAYTON 2, Ohio—131 N. Ludlow St.
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DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., NW, Washington 7

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DITTO, Inc., 2243 W. Harrison St., Chicago 12, Ill.

All principal cities
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CHICAGO 1, Ill.—225 N. Wabash Ave.
LOS ANGELES 15, Cal.—1135 S. Flower St.
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PROVIDENCE 3, R. I.—155 Orange St.

E
ECONOMY Baler Co., Ann Arbor, Mich.

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NEW YORK, N. Y.—43 Water St.
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SAN FRANCISCO 4, Cal.—Russ Bldg.

F
FAIRBANKS, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Offices in principal cities; consult telephone book.
FASTENER Corp., 860 Fletcher Ave., Chicago 14, Ill.

BRANCH:
LOS ANGELES, Cal.—920 S. Atlantic Blvd.
FEDERAL Products Corp., 1144 Eddy St., Providence 1, R. I.

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CLEVELAND 15, Ohio—1422 Euclid Ave.
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HARTFORD 3, Conn.—410 Asylum St.
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DENVER 5, Colo.—2807 Blake St.
HOUSTON 14, Tex.—Lockwood Drive & T. & N. O. R. R.
INDIANAPOLIS 7, Ind.—38 Shelby St.
LOS ANGELES 3, Cal.—6100 Avalon Blvd.
NEW ORLEANS 19, La.—Jefferson Davis Pkwy. & I. C. R. R.

FORCE, Wm. A., & Co., Inc., 216 Nichols Ave., Brooklyn 8, N. Y.

BRANCHES:
CHICAGO 6, Ill.—9 S. Clinton St.
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FOTOTYPE Co., 629 Washington Blvd., Chicago 6, Ill.

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★FOX River Paper Corp., 401 S. Appleton St., Appleton, Wis.

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LOS ANGELES, Cal.—Murphy & Buist, 124 West 4th St.
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BRANCH:
NEW YORK, N. Y.—230 Park Ave.
FRASER Industries, Inc., 420 Lexington Ave., New York, N. Y.

BRANCH:
CHICAGO 2, Ill.—111 W. Washington Blvd.
FULLER, E. C., Co., 28 Reade St., New York 7, N. Y.

BRANCH:
CHICAGO 5, Ill.—720 S. Dearborn St.
FULLER, H. B., Co., 255 Eagle St., St. Paul 2, Minn.

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KANSAS CITY 6, Mo.—915 Broadway

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BRANCH:
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GANE Brothers & Lane Inc., 1335 W. Lake St., Chicago 7, Ill.

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NEW YORK 1, N. Y.—601 W. 26th St.

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SAN FRANCISCO, Cal.—61 Bluxome St.
SEATTLE, Wash.—1056 Sixth Ave. So.

GILMER, L. H., Co., Tacony, Philadelphia 35, Pa.

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CHICAGO 11, Ill.—341 E. Ohio St.
HOUSTON 2, Tex.—1015 N. San Jacinto St.

NEWARK 5, N. J.—115 Edison Pl.
NEW YORK 7, N. Y.—50 Church St.

SAN FRANCISCO 7, Cal.—510 Bryant St.
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GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.

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HOUSTON 1, Tex.—Gulf Bldg.

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HALL, Thomas W., Co., Inc., Sunnyside Ave., Stamford, Conn.

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HALOID Co., 6 Haloid St., Rochester 3, N. Y.

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CHICAGO 5, Ill.—608 So. Dearborn St.
DALLAS 1, Tex.—507 So. Erway St.
DETROIT 26, Mich.—144 Lafayette Blvd.
KANSAS CITY 6, Mo.—1007 Grand Ave.
LOS ANGELES 13, Cal.—1206 So. Maple Ave.
NEW YORK 16, N. Y.—240 Madison Ave.
PHILADELPHIA 7, Pa.—1015 Chestnut St.
PITTSBURGH 22, Pa.—917 Fulton Bldg.
ST. LOUIS 1, Mo.—818 Olive St.
SAN FRANCISCO 8, Cal.—23 Grant Ave.
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WASHINGTON 5, D. C.—15th and H Sts., N. W.

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NEW YORK 14, N. Y.—350 Hudson St.
★HAMMERMILL Paper Co., Erie, Pa.

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SAN FRANCISCO 4, Cal.—311 California St.

★HART, Wm. C., Co., Inc., 137 Greene St., New York 12, N. Y.

BRANCH:
ROCHESTER 8, N. Y.—259 Exchange St.

HARTFORD Textile Co., 1441 Broadway, New York 18, N. Y.

BRANCHES:
CHICAGO 6, Ill.—323 S. Franklin St.
LOS ANGELES, Cal.—120 E. Eighth St.
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MEXICO D. F.—Mex. Ave. 16 de Septiembre 57, Despacho 2
OKLAHOMA City, Okla.—503 N. Hudson

HIO Varnish Corp., 56 Stewart Ave., Brooklyn 6, N. Y.

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CHICAGO 8, Ill.—2420 Washburne Ave.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

BRANCHES:
BOSTON, Mass.—244 Trachington St.
CHICAGO, Ill.—1 N. Canal St.
SAN FRANCISCO, Cal.—1301 Monterey Blvd.

★HOWARD Paper Co., Urbana, Ohio

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CHICAGO 3, Ill.—10 S. La Salle St.

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HUBER, J. M., Inc., 460 West 34th St., New York 1, N. Y.

BRANCHES:
BOSTON 10, Mass.—80 Federal St.
CHICAGO 7, Ill.—1230 W. Jackson Blvd.

ST. LOUIS 18, Mo.—2917 S. Second St.
HUNT, Philip A., Co., 250 Russell St., Brooklyn 22, N. Y.

BRANCHES:
CAMBRIDGE 42, Mass.—111 Binney St.
CHICAGO 47, Ill.—2108 W. Fullerton Ave.
CLEVELAND 14, Ohio—2432 Lakeside Ave.
LOS ANGELES 13, Calif.—541 Ceres Ave.

I

IDEAL Commutator Dresser Co., 5065 Park Ave., Sycamore, Ill.

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CHICAGO 6, Ill.—600 W. Jackson Blvd.
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NEW YORK 3, N. Y.—61 E. 11th St.
PITTSBURGH 22, Pa.—107 Sixth St.

★IDEAL Roller & Mfg. Co., 2512 West 24th St., Chicago 8, Ill.

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MILWAUKEE 2, Wis.—104 E. Madison St.
PHILADELPHIA 6, Pa.—232 W. Washington St.
SAN FRANCISCO 2, Cal.—821 Market St.

ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.

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ILLINOIS Zinc Co., 2959 W. 47th St., Chicago 32, Ill.

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NEW YORK 20, N. Y.—630 Fifth Ave.

IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.

BRANCH:
PHILADELPHIA 34, Pa.—3400 Aramingo Ave.

★INTERNATIONAL Printing Ink, Div. Interchemical Corp., 350 Fifth Ave., New York 1, N. Y.

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★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, N. Y.

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NEW ORLEANS 10, La.—1007 Camp St.

SAN FRANCISCO 11, Cal.—500 Sansome St.

J

JOHNSON Bronze Co., Newcastle, Pa.

BRANCHES:
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CAMBRIDGE, Mass.

CHICAGO, Ill.

CINCINNATI, Ohio

CLEVELAND, Ohio

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DETROIT, Mich.

KANSAS CITY, Mo.

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JOHNSTON Tin Foil & Metal Co., 6106 S. Broadway, St. Louis, Mo.

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LOS ANGELES 6, Cal.—Kellogg-Grown, 1216 Venice Blvd.

KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore 2, Md.

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L

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CANADA, Montreal—953 St. James St.



WABASH Appliance Corp., 345 Carroll St., Brooklyn 31, N. Y.

BRANCH:

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WAGNER Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

Branches in 29 principal cities; consult telephone book.

WALKER, E. H., Supply Co., 140 Q St., N.E., Washington 2, D. C.

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RICHMOND 19, Va.—614 E. Main St.

WESTCOTT & Thomson, Inc., 109 N. 11th St., Philadelphia 5, Pa.

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SAN FRANCISCO 5, Cal.—503 Market St.

WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.

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CHICAGO 2, Ill.—111 W. Washington St.
DAYTON 2, Ohio—131 N. Ludlow St.
PHILADELPHIA 6, Pa.—816 Ledger Bldg.

WHITING Paper Company, Holyoke, Mass.

BRANCHES:

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CHICAGO 6, Ill.—111 N. Canal St.
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Landenberger's Scale determines instantly accurate proportions for enlargement or reduction of drawings or cuts. Equivalent of a 36-inch slide rule, wrapped twice around a 6-inch circle. For dimensions from 1 to 100 inches linear measure, in 1/16th, 1/8th, and 1/4 of an inch.

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**MAKE MONEY!
SAVE MONEY!**



★ Here are printers' helps...
available to you at no cost

1 A comprehensive catalog of line-up and register tables has recently been published by Craftman Line-up Table Corporation. Features that insure accuracy are pictured in close-ups.

2 The American Baler Company issues a portfolio which includes a booklet on Ambaco continuous industrial baling and a reprint of an article on waste disposal by baling.

3 Descriptive folders on the Lawson 39" automatic clamp cutter, and on the Lawson 46" and 52" hydraulic clamp cutters list specifications and special features.

4 Paper drills and corner rounders are illustrated and described and the maximum use of these machines told in literature available from Lasso Products, Incorporated.

5 How to cut down vibration and noise of printing machinery through use of "Unisorb," a material made by the Felters Company, is told in a generously illustrated booklet issued by that firm.

6 "Inspirations for Printers," published periodically by the West Virginia Pulp and Paper Company, lives up to its name. It features reproductions in color of the best in fine art as well as contemporary advertising art.

7 TrimOsaws, made by Hammond Machinery Builders, are the subjects of bulletins released by Hammond. Accessories for the saws are also pictured and described.

8 Kodak photographic materials for the graphic arts are listed and described in an eight-page folder published by the Eastman Kodak Company.

9 Fresh off the press for Champlain Company, Inc., is a booklet entitled "Commercial Rotogravure and Champlain Rotogravure Presses" that all who are interested in rotogravure will want.

10 Acme-Champion and Acme-Morrison book stitchers are the subject of an eight-page booklet containing photographs and specification data. Acme Steel Company issues the booklet.

11 A portfolio-style sample book issued by Kimberly-Clark Corporation contains unprinted as well as printed samples of Trufect paper. This is new and nice.

12 "The Linotype Line," along with pictures and descriptions of the various models of Linotypes, catalogs standard features and optional production aids for special needs. Published by Mergenthaler Linotype Company.

13 Central Compounding Company has made available a leaflet entitled "To the Pressmen," which lists advantages of "33" ink conditioners.

14 The advantages of a high-intensity arc lamp—the Strong Grafarc—in photo-mechanical reproduction processes are told in a folder from the Strong Electric Corporation.

15 A folder containing samples of corner card and letterhead electros titled "100 USE-ful Designs" and a booklet on how to use envelopes to keep your mailing list up to date are two new items from United States Envelope Company.

16 A good-looking piece of printing tells "Why Harris 17x22" and 21x28" Offset Presses Deliver." Specifications, floor plans, etc., are included along with some fine photographs of the presses.

17 How to prevent smudging, sticking, and offsetting the Dryspray way is the subject of a cleverly cartooned folder issued by H. & H. Products.

18 Much useful and unbiased information relative to typographic and lithographic supplies has been included in the catalog issued by Ideal Roller & Manufacturing Company.

19 A leaflet entitled "Effective Static Elimination" describes installation and performance of the Oxy Neutralizer Bar and equipment made by Herbert Products, Incorporated.

20 American Carbon Paper Manufacturing Company offers a comprehensive catalog of its inked ribbons and carbon papers and duplicator supplies.

21 An optical machine on which hair-line register is guaranteed is the subject of a folder from H. H. Heinrich Company, concerning "Opti-Chek" pre-registering machine.

22 "Getting the Most out of your Metal" is the title of an interesting, informative booklet from E. W. Blatchford Company. Contains many practical suggestions for proper metal care.

23 Detailed suggestions on how to operate the Rosback pony rotary perforator are available in a booklet from F. P. Rosback Company, which also tells about exchange service Rosback offers.

**FILL IT IN...
TEAR IT OUT...
MAIL IT TODAY**

This offer expires June 15, 1949

THE INLAND PRINTER, 309 West Jackson Boulevard, Chicago 6, Illinois

Gentlemen: Please send me, without cost or obligation, the material described under the key numbers I have circled: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57

My name _____ Title or position _____

Company _____

Street _____ City _____ State _____

Number of presses: Platen _____ Cylinder _____ Rotary _____ Offset _____

OUR COMPANY DOES: ☐ Commercial Ptg. ☐ Newspaper publishing—☐ Daily ☐ Wkly. Circ. _____

☐ Lithography ☐ Gravure ☐ Our own composition ☐ Trade composition ☐ Photoengraving

☐ Electro and stereo ☐ Engraving ☐ Bookbinding ☐ Stationery—Office supply

- 24** Know how infra-red rays can go to work in your plant? J. E. Doyle Company has a complete catalog describing and illustrating Doyle Infrared Dryers on presses and other equipment.
- 25** An informative booklet on imposing tables and miscellaneous equipment for commercial printing plants is published by Hamilton Manufacturing Company. Tells how to estimate your own imposing surface requirements.
- 26** Paper-ruling machines (both disc-ruling and pen-ruling) and feeders, from those designed to do the simplest faint-line ruling to others designed to rule the most complicated patterns are described in folders from the W. O. Hickok Manufacturing Company.
- 27** A bulletin on the advantages of molded rubber plates and the rapidly developing place for plastic plates is yours for the asking. It was prepared by the Printing Equipment Division of Lake Erie Engineering Corporation.
- 28** Cromwell Paper Company offers its popular "Pressroom Pointers and Handy Makeready Data." Pressmen will find many answers to their problems in it, as well as numerous "Tyman Tips."
- 29** Need capital to expand your plant? C.I.T. Corporation (industrial financing) has a booklet on "Modern Financing Methods" that you will find interesting and helpful.
- 30** A chart designed to help the lithographer diagnose and remedy any one of the many problems in the pressroom in connection with ink is offered by J. H. & G. B. Siebold, Inc.
- 31** A handsome portfolio of letterheads and other specimens of Cockletone Bond is being offered to printers by Hamermill Paper Company. Twelve specimens, three with envelopes to match.
- 32** A new folder from the Syntrol Company gives information on its various models of vibrating paper joggers. The folder is satisfactorily illustrated.
- 33** The 1948 edition of the die-cut "Goose Book" of J. A. Richards Company tells you how to get "golden eggs" through selling cut-out printing. Entertainingly written, it gives examples and shows samples.
- 34** A new gumming chart describing the proper gumming which should be on different types of paper to apply to different materials is released by Brown-Bridge Mills.
- 35** Two colorful folders are issued by the Miller Printing Machinery Company to tell about Miller's 27x41 and 21x28 two-color automatic letterpresses.
- 36** "Envelope Die Manual" is a complete listing of Old Colony Envelope Dies by size and classification. Printers should find this 56-page booklet helpful.
- 37** Strathmore Paper Company's portfolio of its "Double Deckle" papers is a beautiful promotion piece, one of a series that received the N.I.A.A. award for "showmanship in direct mail."
- 38** Samples of outstanding letterhead designs printed on Neenah cotton fiber business papers are enclosed in an attractive, brand-new portfolio issued by Neenah Paper Company.
- 39** Los Angeles Type and Rule Company has two catalogs just off the press—the Specimen Price Book and the Hand-i-Font catalog. They show many new faces and new decorative material available.
- 40** How to achieve accuracy within .001-inch is told in the folder describing the Hess & Barker precision rotary plate shaver. Illustrations show close-ups of features of the plate shaver. Specifications are given.
- 41** New literature from G. J. Aigner Company, manufacturers of indexes and index tabbing, includes information on types of index tabbing, and a catalog of special-use indexes.
- 42** Vandercook & Sons, Inc., maker of proof presses, has a new "Illustrated Price List" which contains not only prices of all the standard and optional equipment but also a brief description of each machine, together with complete specifications.
- 43** This is a handsome offer: A complete set of seventeen typographical specimen sheets (17 by 20 inches) designed by topflight typographers for Eastern Corporation, to sample Eastern papers, along with a separate descriptive card for each sheet.
- 44** A plastic-bound catalog of stock cuts is offered by Cobb Shinn. It illustrates hundreds of cartoons, drawings, and photographs available in electrotape form—ready for the press.
- 45** Large automatic mailing machines designed to cut costs and mailing room troubles are the subject of a folder from Cheshire Mailing Machines. Illustrations show details of the features of the machines.
- 46** Samples of printing done with Gem-tone process inks made by International Printing Ink are distributed by IPI in a colorful new portfolio.
- 47** Baltotype family series folders are offered by Baltimore Type and Composition Corporation, as well as reference guides to decorative material and Baltotypes.
- 48** You'll find a discussion of how to make good albumin and deep-etch plates included in the handy catalog of chemicals and supplies made by Litho Chemical and Supply Company.
- 49** Interested in offset presses? The Printing Machinery Division of Electric Boat Company has an excellent, colorful booklet that tells about the EBCO Willard offset press.
- 50** A descriptive folder on Superior and Victor mitering machines, Junior lead and rule cutters, and the C.M.C. Jobber press has been made available by Craftsmen Machinery Company.
- 51** Kellogg's "Type-O-Writer" keyboard for Linotype and Intertype machines is fully described and illustrated in a folder from Kellogg Switchboard & Supply Company.
- 52** Dennison specimen sheet No. 156 is a generous sample of a high-gloss gummed paper suitable for labels. It is printed with a number of sample labels.
- 53** "How to Make Two People Happy with Howard Bond" is an impressive portfolio that contains not only the Howard Bond Sampler but also a paste-up map kit that any boy or girl will go for in a big way.
- 54** How to print envelopes profitably is the subject of a two-color folder issued by Southworth Machine Company, describing the Southworth-Post Lightning Speed envelope press.
- 55** The Bahnson Company offers its Bulletin Number 333, which describes humidification and air-conditioning equipment which is adaptable to the needs of printing plants.
- 56** The Rising Paper Company has available for distribution several nice portfolios that contain actual specimen letterheads printed on their various papers.
- 57** Literature from the Printing Machinery Company includes two notebook-size punched leaflets on the PMC Flinker fountain divider and how it is used for split-fountain and rainbow-fountain printing.

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EXTREME STEADINESS

of Light Volume

and constant color temperature ...
ESSENTIAL TO PRODUCTION OF HIGH
QUALITY WORK...

are yours with..

GRAFARC FULLY AUTOMATIC HIGH INTENSITY ARC LAMPS

Especially designed for all photo-mechanical reproduction processes. Current-controlled feed motor maintains a constant arc-gap length. Arc almost completely shielded from drafts.

The top graph shows fluctuations in the visible light energy during a four minute operation with a conventional flaming arc lamp.

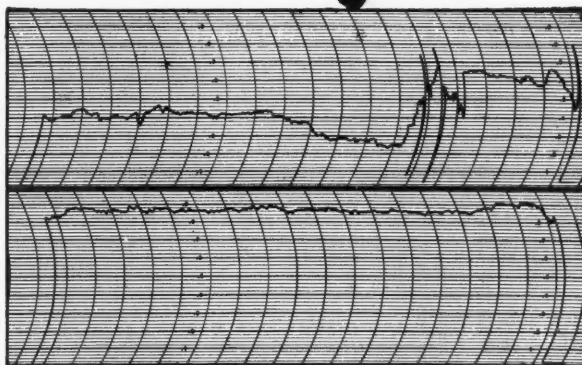
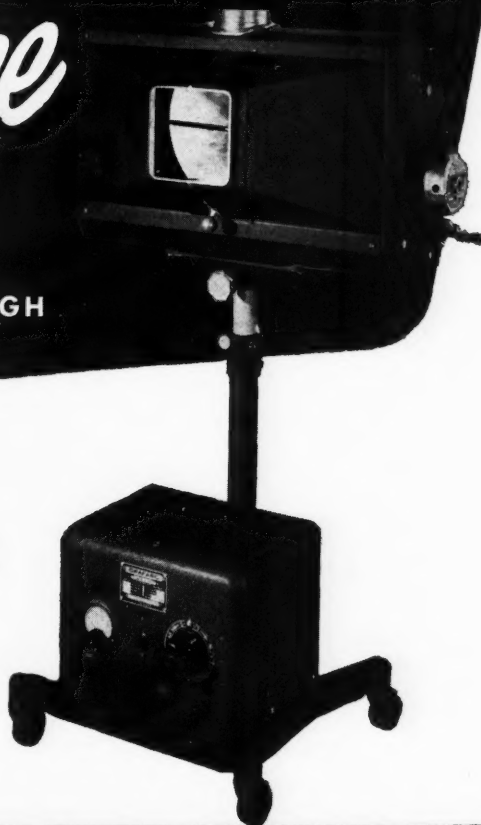
The bottom graph shows fluctuations in the visible light energy during a four minute operation with the Grafarc.

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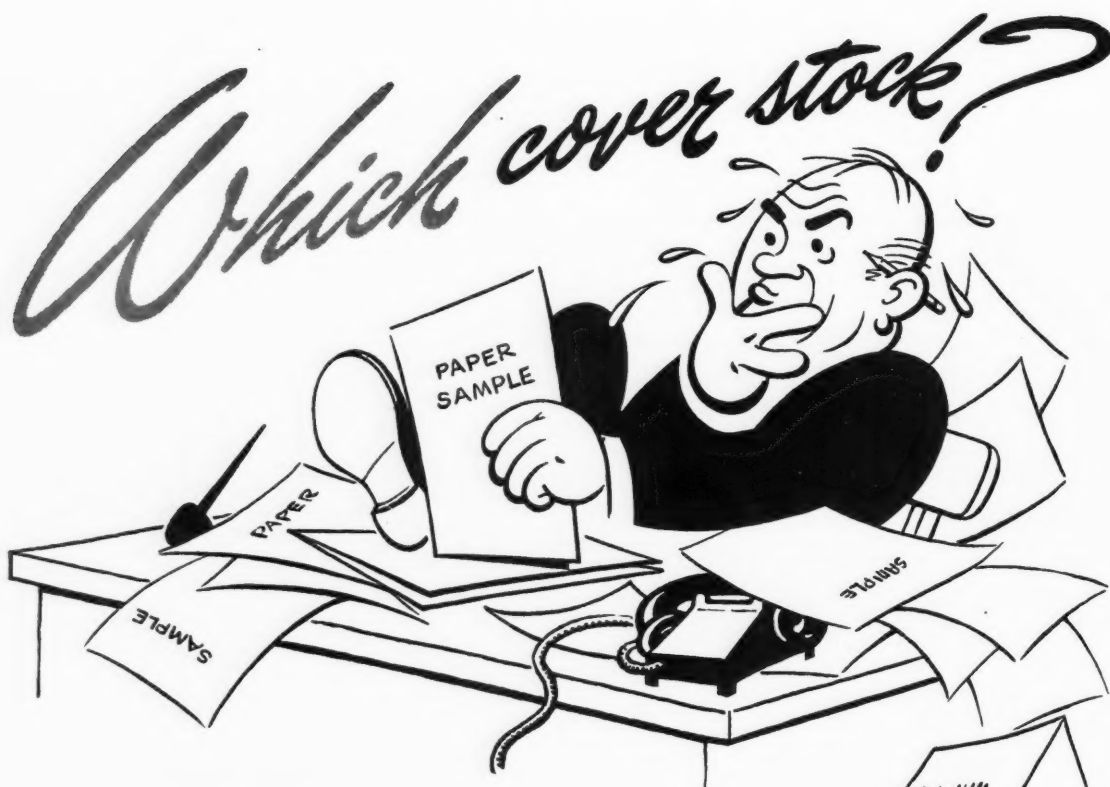
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Please send free literature and prices on the new Strong Grafarc High Intensity Arc Lamp.

Name Firm

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City State

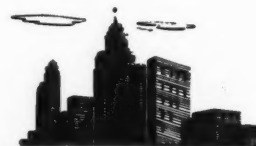


Consider one by one each of these qualities on your next cover stock selection. Does the stock offer wide scope for unique treatment and unusual printing effects? Will it be trouble-free on the press, give perfect impressions? Has it personality in texture and color that distinguish it from ordinary covers? Is it extra tough and durable so that it will retain its original attractiveness even with hard use?

You'll find the answer "yes" to all when you investigate Detroit Embossed. With a rich embossing and range of twelve sparkling colors, it combines the attributes of beauty, workability and durability . . . yet is moderate in price. Try Detroit Embossed on your next job. You'll get a cover stock welcomed by the press operator . . . thoroughly approved by the customer . . . extremely serviceable to the user.

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25x38 Continuous-Feed Baumfolder



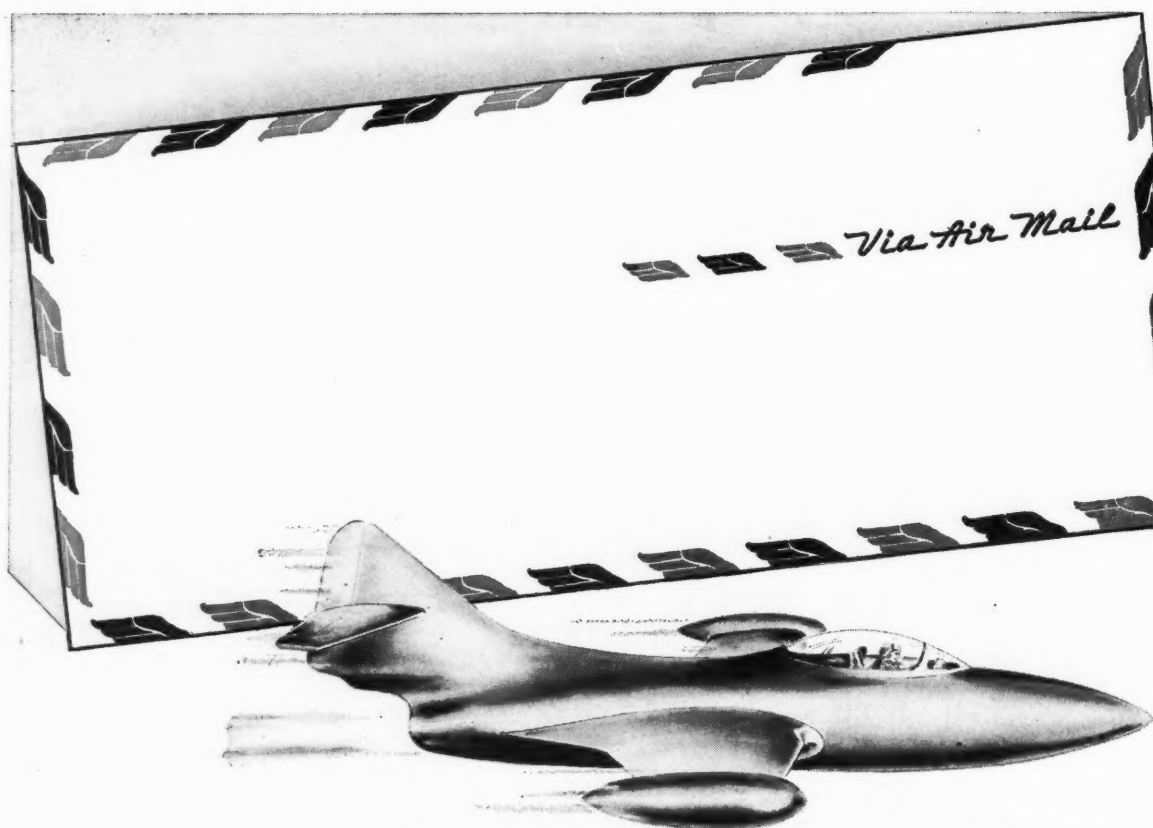
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... as shown above there are 10 folding plates but up to 13 available ... more than any other folder, therefore the most folds. In one operation, it folds, pastes, trims and folds again for mailing ... 6,000 finished booklets an hour. Thinnest paper to thickest because it is closest-precision built.

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... fastest sheet travel speed known ... therefore greatest known hourly continuous production, therefore greatest net profit.

Russell Ernest Baum, Inc.
615 CHESTNUT STREET
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JET-WING AIR MAIL DESIGN-- the new U.S.E. Thin-Opake to speed mails . . . and sales

➤ Once in a while a new design, a new treatment, comes along to prod imaginations. Such an idea is U. S. E.'s new Jet-Wing Air Mail Thin-Opake Envelope . . . with an exciting border that suggests the tempo of ever-faster air mail service.

➤ At lower rates, air mail is being used more now than ever before. Regular correspondence, instructions, requisitions, folders, return envelopes — all are being sent by air as

part of regular business building procedures. The envelopes needed are door-openers to *other* sales — and the guaranteed quality . . . the exciting new design . . . of U.S.E. Jet-Wing Air Mail Thin-Opake Envelopes will mean *repeat* sales for you.

➤ With border design of alternate red and blue Jet-Wings, these envelopes are available in 6¾ and 10 sizes, in a cockle finish tinted inside for opacity.

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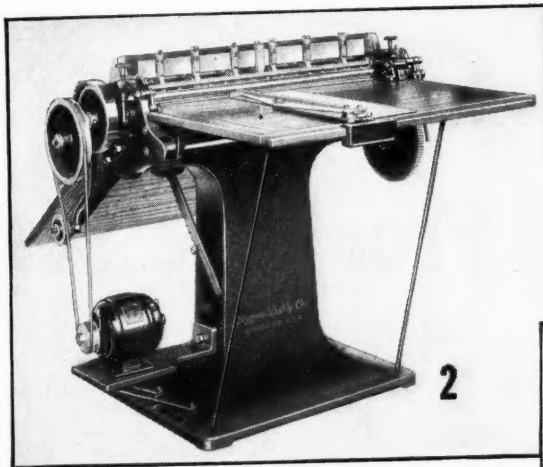


— Ask your merchant for samples. —

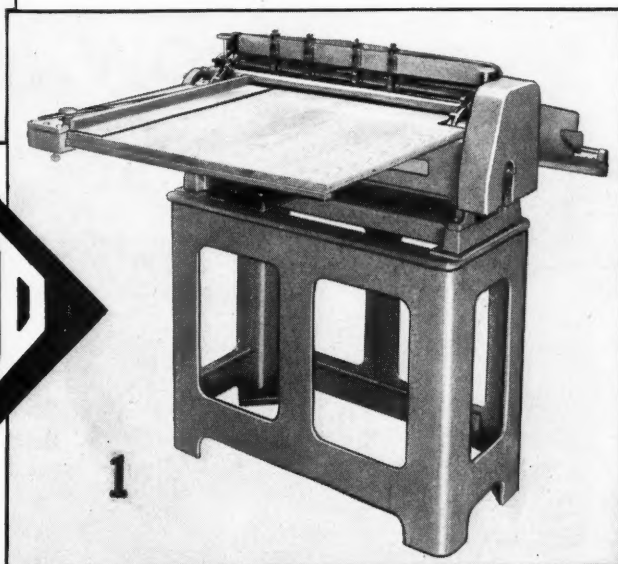
UNITED STATES ENVELOPE COMPANY
General Offices — Springfield 2, Massachusetts
DIVISIONS FROM COAST TO COAST



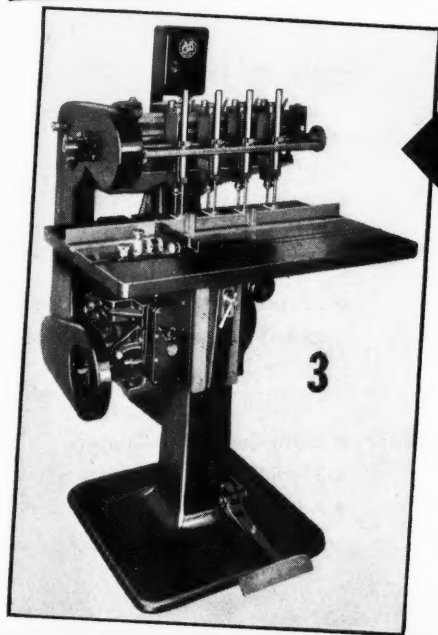
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These units boost output

Compare your present per-hour, per-day production against the same-time volume of any of these machines and you'll be amazed at the difference. These N-D units are famous output boosters! They consistently save time . . . cut operating costs . . . build up the total day's work to more profitable figures. That's why they're in the country's leading printing, lithographic and bindery plants. Get details. See your dealer or write us direct today.

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2. **N-D ROTARY SLOT PERFORATOR—30", 36", 42".** Without a peer. An all-around performer. Does Snap-out and Cut-out Slot Hole perforating. Scoring. Crimping. Slitting. Unequalled for precise strike-in work. Perforations ironed out so perforating can be done before printing. Automatic Feeder and Jogger can be added.
3. **N-D MULTIPLE SPINDLE DRILL.** A great worker. Easy to set up. Quick to get into action. No tools needed for set-up or lock-up. Speedy, accurate. Automatic table lift at touch of treadle. Fluted cutters prevent waste problems.
4. **N-D SINGLE SPINDLE DRILL.** Nothing like it. One-finger automatic shift moves table for each successive hole. No rehandling of stock once it is placed against the gauges. Positive accuracy. No errors. No spoiled jobs.



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**No. 325G* Vandercook
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Features common to both 325A and 325G

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Press**

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Standard equipment in many of the country's leading weekly and daily newspapers who do not require a power proof press. Handles all sizes of sheets from 4 x 6 ins. up to full newspaper pages in type-high stereotype chases without printing the chase. Especially designed for working with make-up trucks.

***Two of eight Vandercook Hand Proof Presses sold exclusively in the U.S.A. by**

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**This Month's
Specimen Sheet of
Eastern's
Atlantic Antique Laid
Shows
an arrangement of
Bulmer Type**

A Specimen Sheet of BULMER Roman & Italic Types

This is also a Specimen Sheet of ATLANTIC ANTIQUE LAID

THIS month, Eastern Corporation is distributing to printers and buyers of printing a specimen sheet of Eastern's Atlantic Antique Laid showing an arrangement of Bulmer Type. It was designed by Thomas Maitland Cleland, internationally-known artist and book illustrator.

Eastern's Atlantic Antique Laid is an outstanding paper that offers printers a better value in printability, uniformity, and dependability. Genuinely water-marked, uniform in thickness and strength, it insures unusually fine printing at a much lower cost. Its firm,

even texture and specially-sized surface make it ideal for better-appearing letterheads, envelopes, and all types of business forms.

Though always a paper that speaks of quality, Eastern's Atlantic Antique Laid has a particularly impressive feel, opacity, and bulk in the heavier weights.

If you, as one who specifies paper or printing, are interested in this specimen sheet of Eastern's Atlantic Antique Laid and Bulmer Type, a request on your business letterhead will receive prompt attention from one of our Paper Merchants or our Advertising Department.



EASTERN CORPORATION

BANGOR, MAINE

Makers of Atlantic Bond and other Fine Business Papers

Please Mention **THE INLAND PRINTER** When Writing To Advertisers

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Craftsman LINE-UP TABLE CORPORATION
WALTHAM, MASSACHUSETTS

Branch Sales Offices:
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you want... always use
**NAZ-DAR SILK SCREEN
COLORS AND SUPPLIES**

★ For more than a quarter of a century we have specialized in manufacturing silk screen products. These include the famous **YELLOW LABEL** and **BLUE LABEL** Process Colors, Weatherproof Silk Screen Enamel, Silk Screen Lacquer, Cutters, etc.

★ The Silk Screen Process lends itself ideally to short run jobs, inexpensive colorwork, gold and silver printing, light colors and dark, decalcomanias, etc.—on paper, cardboard, cellophane, book binder's fabrics, metal, glass or wood.

★ Your Silk screen department will help to hold customers, as well as adding to shop profits.



IP12-48

★ Write our Service Department for free information on silk screen printing. If you do not have a NAZ-DAR Catalog, write for one.

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Distribution of clear, clean colors on a sheet of paper gives your printing and lithography the kind of quality that carries it into the inner office where it does the most good.

There is real economy in using the finest rollers to do this important work.

Use Ideal Masterlith rollers on your lithographic presses.

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Your customers will appreciate the added beauty and quality of printing done in your plant with these fine Ideal rollers.



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For Items Not Advertised, Write THE INLAND PRINTER'S "Readers' Service"

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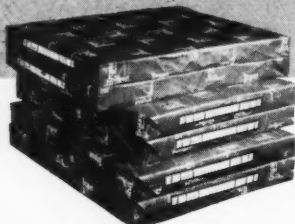
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Ask your paper merchant, or write direct, for complete information and free samples.

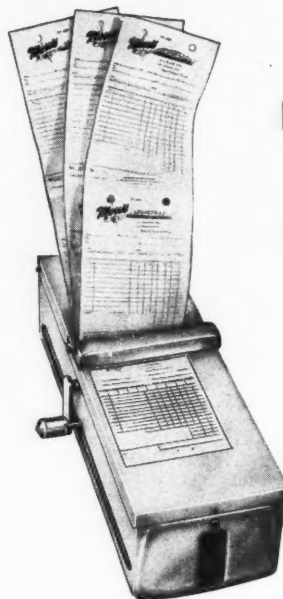


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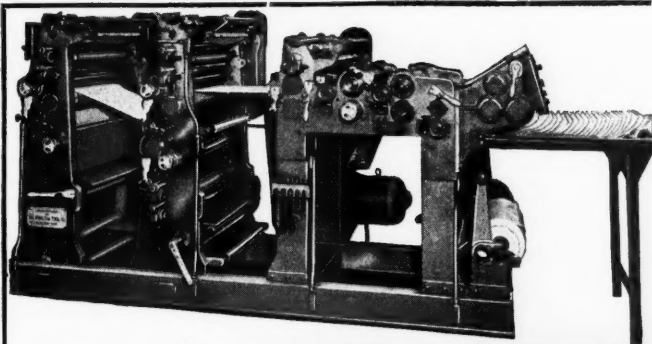
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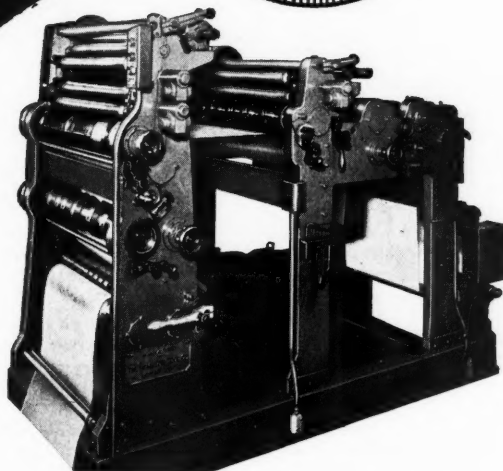
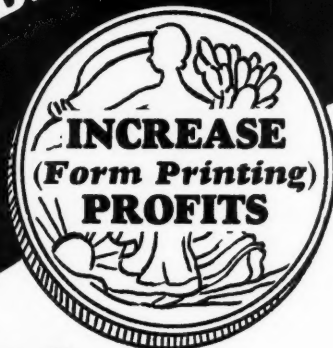
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Three color, 17" x 26" rubber plate press, equipped with numbering machine, two punching machines, cross perforator and length slitter and perforator. Arranged for rewind and endless zigzag fold delivery.

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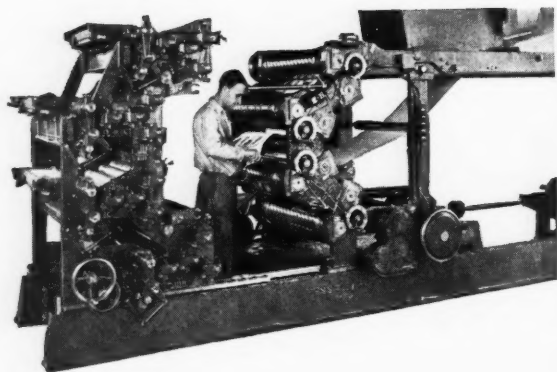
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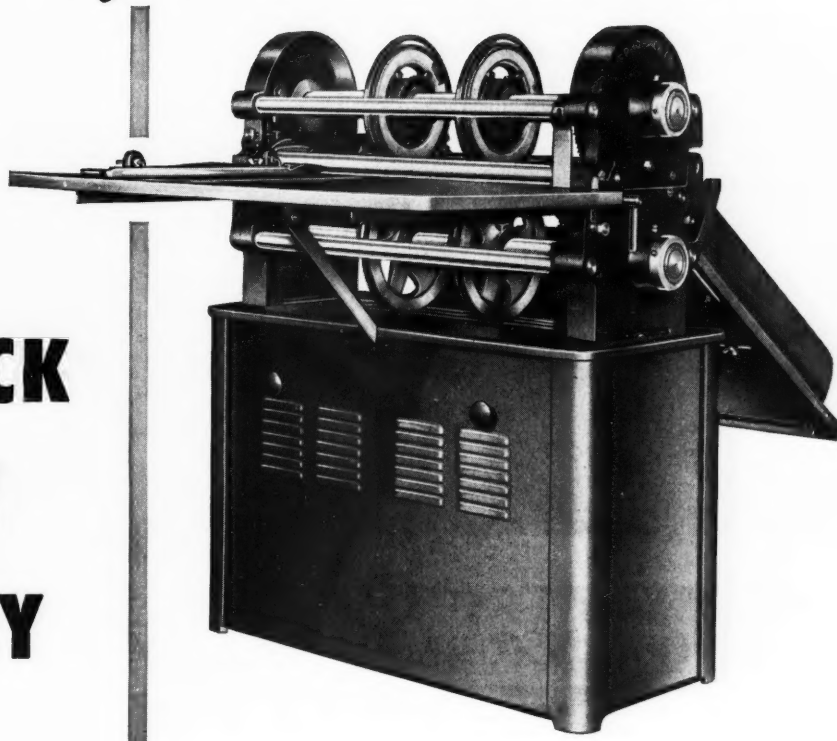
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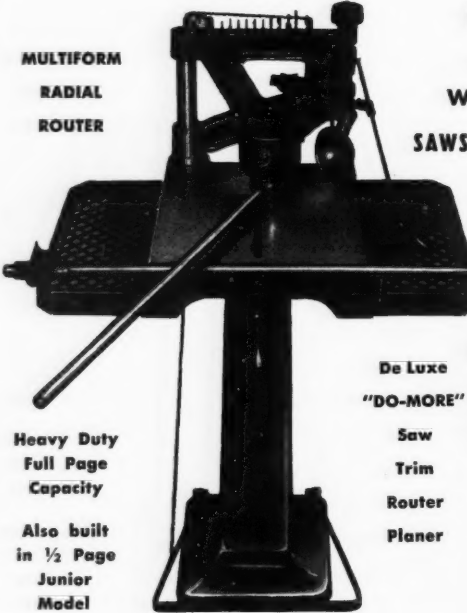
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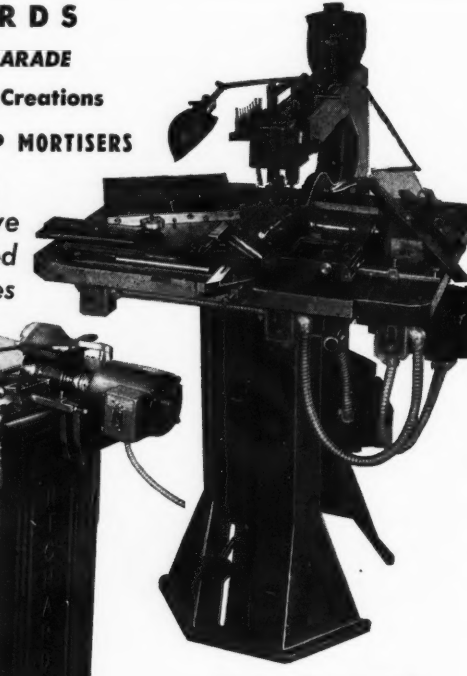


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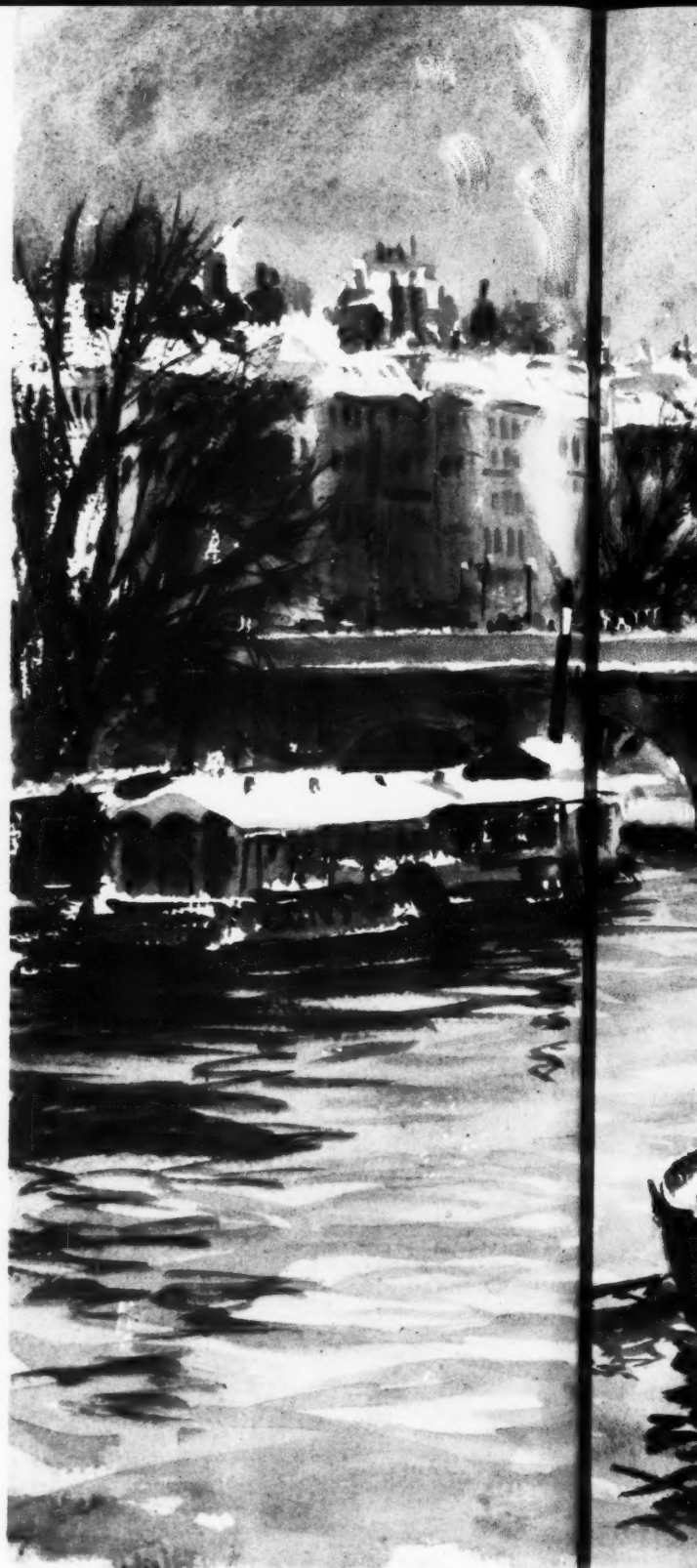
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Cover Artist

John Whorf was born in Boston in 1903. He studied at the Boston Museum of Fine Arts and later in Paris. Not until he visited Spain did Whorf take up water colors, the medium for which he has become most famous. At one time John Singer Sargent was his patron and teacher. His paintings are in permanent collections of the leading museums of this country.



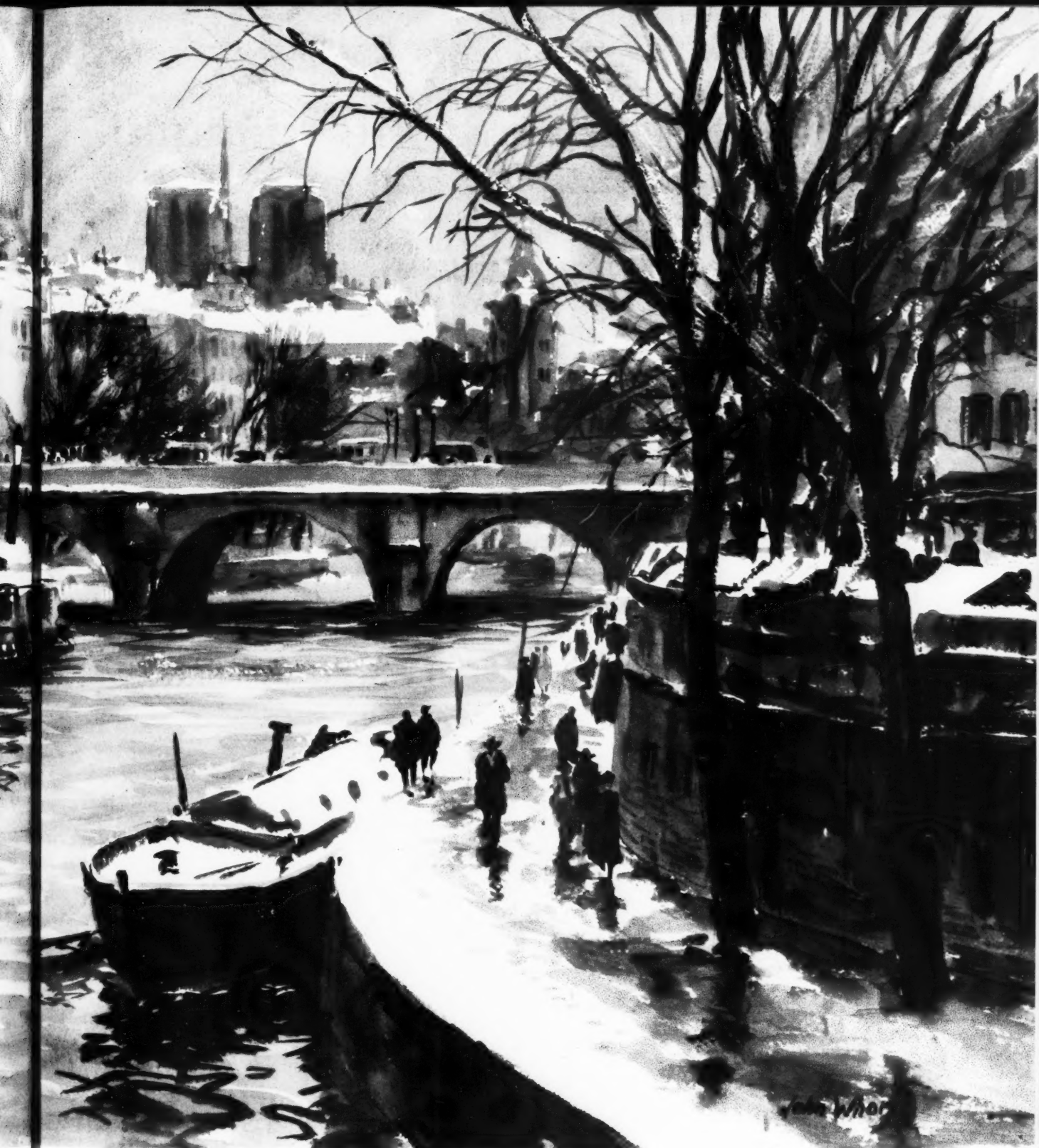
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Inspirations

for Printers 174

Painting: The Seine, Winter

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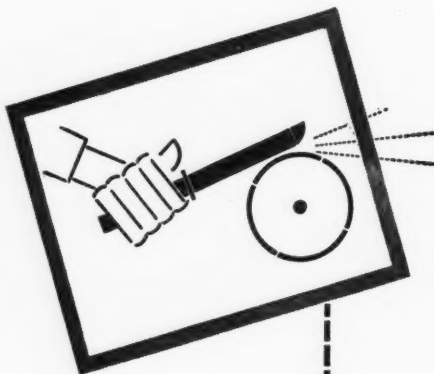
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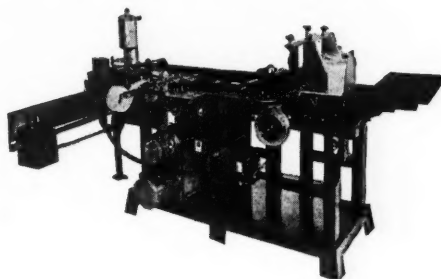
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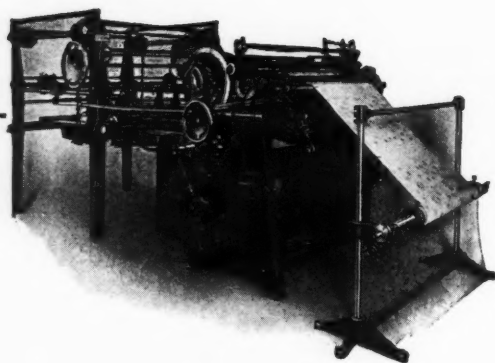


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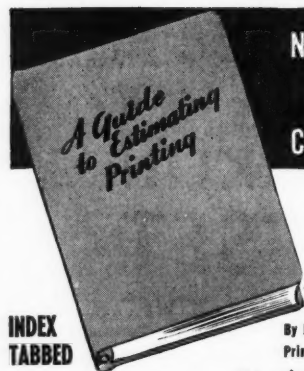
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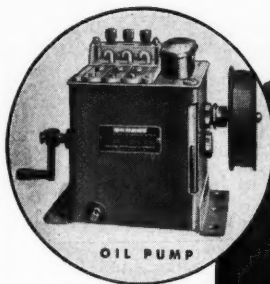
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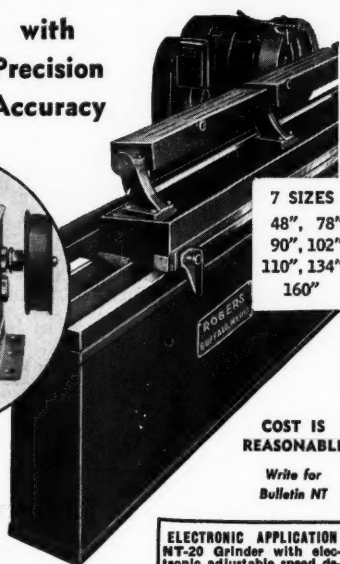
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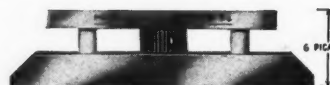
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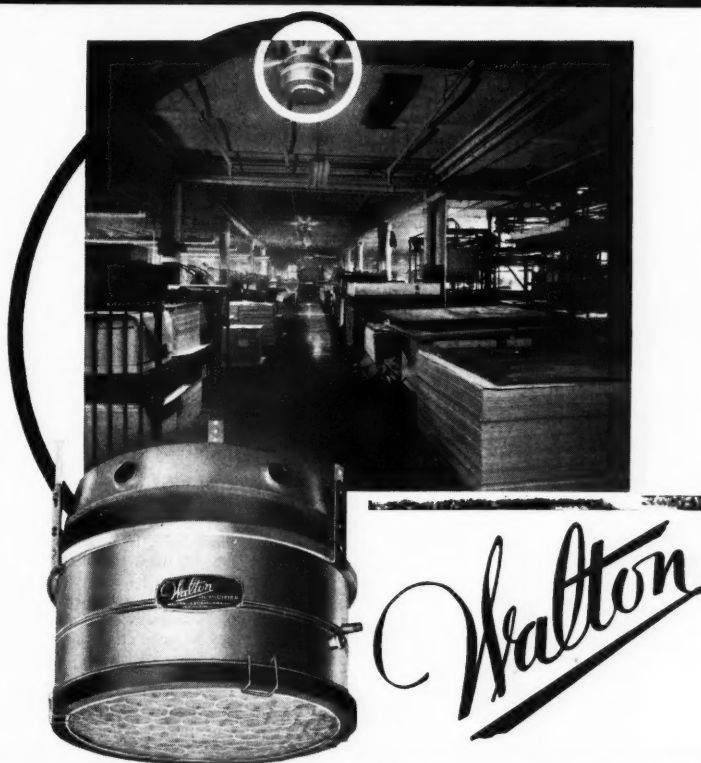
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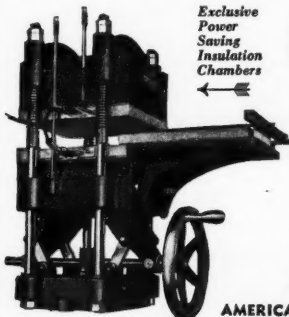


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44" Oswego Paper Cutter, heavy duty—
Auto Clamp
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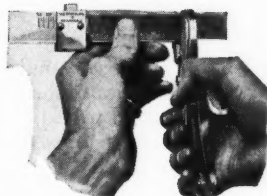
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FOR TOP
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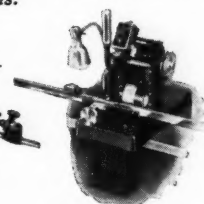
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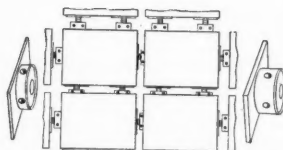


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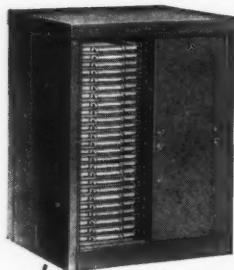
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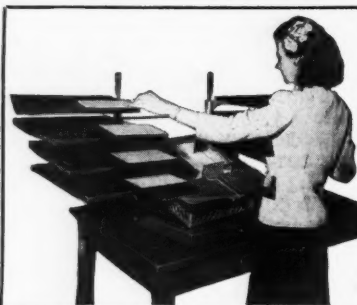
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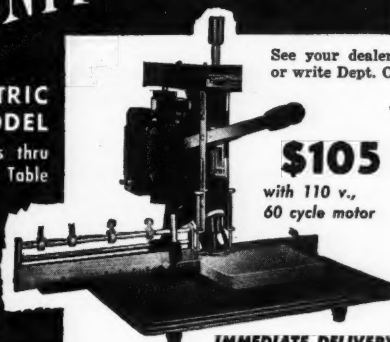
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The Inland Printer

Leading Business and Technical Journal in the Printing and Allied Industries

VOLUME 122 • DECEMBER, 1948 • NUMBER 3

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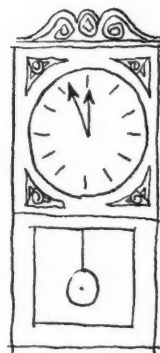
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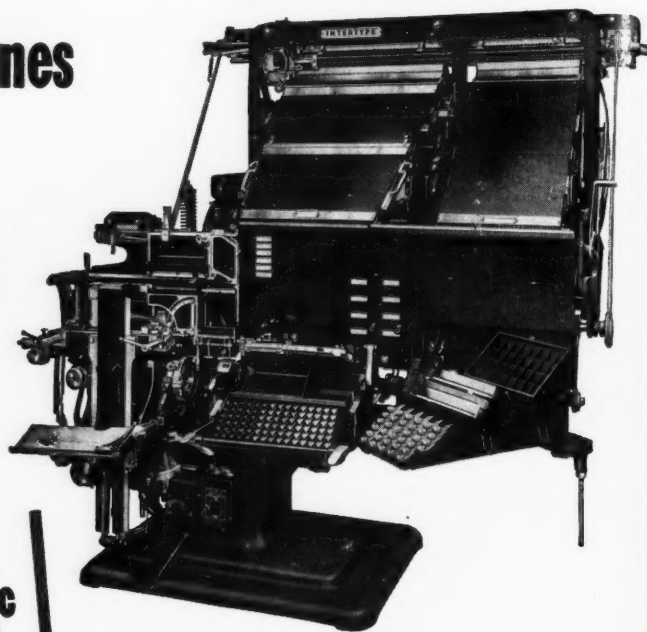
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